DeKalb County School District/Elementary Schools

Flat Rock Elementary

Final

School Assessment Report

May 19, 2016

PARSONS

Table of Contents

School Executive Summary 3

School Condition Summary 4

2007 Building 6

- Executive Summary 6
  - Condition Summary 7
- Photo Album 8
- Condition Detail 9
  - System Listing 10
  - Renewal Schedule 12
    - Forecasted Sustainment Requirement 15
  - Deficiency Summary By System 16
  - Deficiency Summary By Priority 17
  - Deficiency By Priority Investment 18
  - Deficiency Summary By Category 19
  - Deficiency Details By Priority 20

Site 24

- Executive Summary 24
  - Condition Summary 25
- Photo Album 26
- Condition Detail 27
  - System Listing 28
  - Renewal Schedule 29
    - Forecasted Sustainment Requirement 31
  - Deficiency Summary By System 32
  - Deficiency Summary By Priority 33
  - Deficiency By Priority Investment 34
  - Deficiency Summary By Category 35
  - Deficiency Details By Priority 36
- Glossary 38

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):	107,937
Year Built:	2007
Last Renovation:	
Replacement Value:	$26,469,943
Repair Cost:	$1,351,287.98
Total FCI:	5.10 %
Total RSLI:	67.52 %
FCA Score:	94.90

Description:

The Flat Rock Elementary School campus consists of one building located at 4603 Evans Mill Road in Lithonia, Georgia. The original campus was constructed in 2007 and there have been no additions to the main school building. In addition to the main school building, the campus contains playgrounds and a playing field. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report for each building and site improvement on the campus.

Attributes:

General Attributes:

Assigned Region:	Region 4	Board District:	District 5
DOE Facility:	107	Geographic Region:	Region 4
HS Attendance Area:	Martin Luther King Jr. HS	Jurisdictional City:	DeKalb County (Unincorporated)
Site Acreage:	13.4		

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.

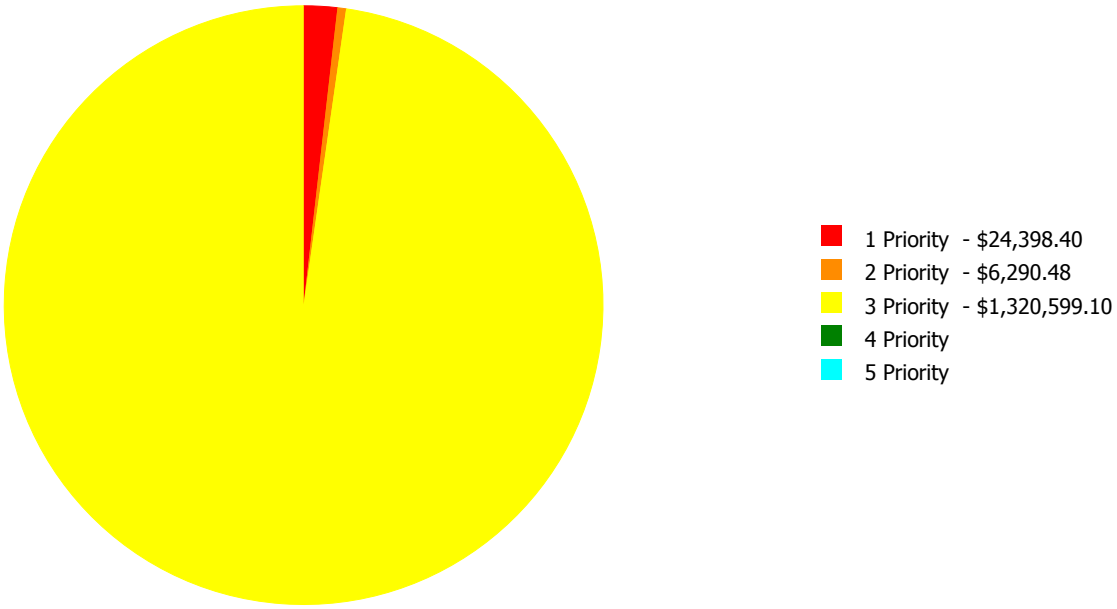
Current Investment Requirement and Condition by Uniformat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	92.00 %	1.25 %	$24,398.40
A20 - Basement Construction	0.00 %	0.00 %	$0.00
B10 - Superstructure	92.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	85.94 %	0.25 %	$6,290.48
B30 - Roofing	68.22 %	0.11 %	$1,927.05
C10 - Interior Construction	81.02 %	0.00 %	$0.00
C20 - Stairs	92.00 %	0.00 %	$0.00
C30 - Interior Finishes	55.38 %	3.04 %	$69,648.00
D10 - Conveying	73.33 %	0.00 %	$0.00
D20 - Plumbing	64.43 %	0.00 %	$0.00
D30 - HVAC	48.53 %	15.89 %	$654,206.00
D40 - Fire Protection	73.33 %	0.00 %	$0.00
D50 - Electrical	57.45 %	0.00 %	$0.00
E10 - Equipment	60.00 %	0.00 %	$0.00
E20 - Furnishings	60.00 %	0.00 %	$0.00
F10 - Special Construction	68.00 %	0.00 %	$0.00
G20 - Site Improvements	59.64 %	8.71 %	$116,190.62
G30 - Site Mechanical Utilities	43.21 %	60.66 %	$478,627.43
G40 - Site Electrical Utilities	73.33 %	0.00 %	$0.00
Totals:	**67.52 %**	**5.10 %**	**$1,351,287.98**

Condition Deficiency Priority

Facility Name	Gross Area (S.F.)	FCI %	1 Priority	2 Priority	3 Priority	4 Priority	5 Priority
2007 Building	107,937	3.16	$24,398.40	$6,290.48	$725,781.05	$0.00	$0.00
Site	107,937	23.61	$0.00	$0.00	$594,818.05	$0.00	$0.00
Total:		**5.10**	**$24,398.40**	**$6,290.48**	**$1,320,599.10**	**$0.00**	**$0.00**

Deficiencies By Priority



Budget Estimate Total: $1,351,287.98

Executive Summary

Building condition is evaluated based on the functional systems and elements of a building and organized according to the UNIFORMAT II Elemental Classification. The grouping of these systems and elements and applying a current replacement value to them develops a representative building cost model. Cost Models are developed for similar building types and functions. Systems and their elements are evaluated based on their current replacement values, life cycles, installation dates and next renewal dates. Systems and their elements that are within their useful lives are further evaluated to identify current deficient conditions that may have a significant impact on a system's or element's remaining service life, and to determine if they are beyond their predicted expected life. The system's or element's current replacement value is based on RS Means Commercial Cost Data.

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

Function:	Elementary School
Gross Area (SF):	107,937
Year Built:	2007
Last Renovation:	
Replacement Value:	$23,950,091
Repair Cost:	$756,469.93
Total FCI:	3.16 %
Total RSLI:	68.66 %
FCA Score:	96.84

Description:

The main building at Flat Rock Elementary School is a two-story building located at 4603 Evans Mill Road in Lithonia, Georgia. Originally built in 2007, there have been no additions and no major renovations. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report.

Attributes:

General Attributes:

Building Codes:	2010	Fire Sprinkler System:	Yes

Condition Summary

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

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
A10 - Foundations	92.00 %	1.25 %	$24,398.40
A20 - Basement Construction	0.00 %	0.00 %	$0.00
B10 - Superstructure	92.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	85.94 %	0.25 %	$6,290.48
B30 - Roofing	68.22 %	0.11 %	$1,927.05
C10 - Interior Construction	81.02 %	0.00 %	$0.00
C20 - Stairs	92.00 %	0.00 %	$0.00
C30 - Interior Finishes	55.38 %	3.04 %	$69,648.00
D10 - Conveying	73.33 %	0.00 %	$0.00
D20 - Plumbing	64.43 %	0.00 %	$0.00
D30 - HVAC	48.53 %	15.89 %	$654,206.00
D40 - Fire Protection	73.33 %	0.00 %	$0.00
D50 - Electrical	57.45 %	0.00 %	$0.00
E10 - Equipment	60.00 %	0.00 %	$0.00
E20 - Furnishings	60.00 %	0.00 %	$0.00
F10 - Special Construction	68.00 %	0.00 %	$0.00
Totals:	**68.66 %**	**3.16 %**	**$756,469.93**

Photo Album

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

1). South Elevation - Jun 01, 2015

2). East Elevation - Jun 01, 2015

3). North Elevation - Jun 01, 2015

4). West Elevation - Jun 01, 2015

Condition Detail

This section of the report contains results of the Facility Condition Assessment. The building is separated into system components based on UNIFORMAT II. The columns in the System Listing table represent the following:

1. System Code: A code that identifies the system.
2. System Description: A brief description of a system present in the building.
3. Unit Price $: The unit price of the system.
4. UoM: The unit of measure of the system.
5. Qty: The quantity for the system.
6. Life: Building Owners and Managers Association (BOMA) recommended system design life.
7. Year Installed: The date of system installation.
8. Calc Next Renewal Year: The date of system expiration based on the life, NR stands for non renewable.
9. Next Renewal Year: The suggested system expiration date by the assessor based on visual inspection.
10. RSLI: The Remaining Service Life Index of the system.
11. FCI: The Facility Condition Index of the system.
12. RSL: Remaining Service Life in years.
13. eCR: eCOMET Condition Rating (not used in this assessment).
14. Deficiency $: The financial investment to repair/replace system to address deficiency.
15. Replacement Value $: The replacement cost of the system.

System Listing

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

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
A1010	Standard Foundations	$6.49	S.F.	107,937	100	2007	2107		92.00 %	3.48 %	92		$24,398.40	$700,511
A1020	Special Foundations	$4.46	S.F.	107,937	100	2007	2107		92.00 %	0.00 %	92			$481,399
A1030	Slab on Grade	$7.09	S.F.	107,937	100	2007	2107		92.00 %	0.00 %	92			$765,273
A2010	Basement Excavation	$0.00	S.F.	0	100	2007	2107		92.00 %	0.00 %	92			$0
A2020	Basement Walls	$0.00	S.F.	0	100	2007	2107		92.00 %	0.00 %	92			$0
B1010	Floor Construction	$15.61	S.F.	107,937	100	2007	2107		92.00 %	0.00 %	92			$1,684,897
B1020	Roof Construction	$5.34	S.F.	107,937	100	2007	2107		92.00 %	0.00 %	92			$576,384
B2010	Exterior Walls	$16.02	S.F.	107,937	100	2007	2107		92.00 %	0.36 %	92		$6,290.48	$1,729,151
B2020	Exterior Windows	$6.79	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$732,892
B2030	Exterior Doors	$0.92	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$99,302
B3010	Roof Coverings - Asphal Shingles	$0.00	S.F.	0	10	2007	2017		20.00 %	0.00 %	2			$0
B3010	Roof Coverings - BUR	$20.70	S.F.	78,056	25	2007	2032		68.00 %	0.00 %	17			$1,615,759
B3010	Roof Coverings - EPDM	$0.00	S.F.	0	15	2007	2022		46.67 %	0.00 %	7			$0
B3010	Roof Coverings - Preformed Metal	$0.00	S.F.	0	30	2007	2037		73.33 %	0.00 %	22			$0
B3010	Roof Coverings - Standing Seam Metal	$0.00	S.F.	0	75	2007	2082		89.33 %	0.00 %	67			$0
B3020	Roof Openings	$0.63	S.F.	107,937	30	2007	2037		73.33 %	2.83 %	22		$1,927.05	$68,000
C1010	Partitions	$7.01	S.F.	107,937	100	2007	2107		92.00 %	0.00 %	92			$756,638
C1020	Interior Doors	$2.39	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$257,969
C1030	Fittings	$2.79	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$301,144
C2010	Stair Construction	$1.81	S.F.	107,937	100	2007	2107		92.00 %	0.00 %	92			$195,366
C3010	Wall Finishes - Ceramic & Glazed	$0.00	S.F.	0	30	2007	2037		73.33 %	0.00 %	22			$0
C3010	Wall Finishes - Paint	$1.93	S.F.	107,937	10	2007	2017		20.00 %	0.00 %	2			$208,318
C3010	Wall Finishes - Wall Coverings	$0.00	S.F.	0	10	2007	2017		20.00 %	0.00 %	2			$0
C3020	Floor Finishes - Carpet	$8.50	S.F.	7,449	8	2007	2015		0.00 %	110.00 %	0		$69,648.00	$63,317
C3020	Floor Finishes - Epoxy Finished Concrete	$5.95	S.F.	10,794	50	2007	2057		84.00 %	0.00 %	42			$64,224
C3020	Floor Finishes - Terrazzo	$0.00	S.F.	0	50	2007	2057		84.00 %	0.00 %	42			$0
C3020	Floor Finishes - VCT	$9.54	S.F.	85,074	20	2007	2027		60.00 %	0.00 %	12			$811,606
C3020	Floor Finishes - Wood	$14.70	S.F.	4,620	20	2007	2027		60.00 %	0.00 %	12			$67,914
C3030	Ceiling Finishes	$9.98	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$1,077,211
D1010	Elevators and Lifts	$1.17	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$126,286
D2010	Plumbing Fixtures	$17.66	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$1,906,167
D2020	Domestic Water Distribution	$3.99	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$430,669
D2030	Sanitary Waste	$3.41	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$368,065
D2040	Rain Water Drainage	$0.98	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$105,778

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
D2090	Other Plumbing Systems - Natural Gas	$0.41	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$44,254
D3020	Heat Generating Systems	$4.55	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$491,113
D3030	Cooling Generating Systems	$4.73	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$510,542
D3040	Distribution & Exhaust Systems	$5.51	S.F.	107,937	30	2007	2037	2015	0.00 %	110.00 %	0		$654,206.00	$594,733
D3050	Terminal & Package Units	$18.52	S.F.	107,937	15	2007	2022		46.67 %	0.00 %	7			$1,998,993
D3060	Controls & Instrumentation	$3.60	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$388,573
D3090	Other HVAC Systems/Equip - Kitchen Hood	$1.23	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$132,763
D4010	Sprinklers	$4.75	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$512,701
D4020	Standpipes	$0.51	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$55,048
D5010	Electrical Service/Distribution	$1.81	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$195,366
D5020	Branch Wiring	$6.78	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$731,813
D5020	Lighting	$8.90	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$960,639
D5030	Communications and Security - Clock & PA Systems	$5.60	S.F.	107,937	10	2007	2017		20.00 %	0.00 %	2			$604,447
D5030	Communications and Security - Fire Alarm	$1.23	S.F.	107,937	10	2007	2017		20.00 %	0.00 %	2			$132,763
D5030	Communications and Security - Security & CCTV	$0.61	S.F.	107,937	10	2007	2017		20.00 %	0.00 %	2			$65,842
D5090	Other Electrical Systems - Emergency Generator	$0.35	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$37,778
E1010	Commercial Equipment	$0.00	S.F.	0	20	2007	2027		60.00 %	0.00 %	12			$0
E1020	Institutional Equipment	$0.40	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$43,175
E1090	Other Equipment - Athletic Equipment	$0.47	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$50,730
E1090	Other Equipment - Kitchen Equipment	$4.18	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$451,177
E2010	Fixed Furnishings	$5.37	S.F.	107,937	20	2007	2027		60.00 %	0.00 %	12			$579,622
F1010	Special Structures - Canopies	$1.61	S.F.	107,937	25	2007	2032		68.00 %	0.00 %	17			$173,779
								Total	**68.66 %**	**3.16 %**			**$756,469.93**	**$23,950,091**

Renewal Schedule

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

Inflation Rate: 3%

System	Current Deficiencies	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Total:	**$756,470**	**$0**	**$1,180,259**	**$0**	**$0**	**$0**	**$0**	**$2,704,361**	**$88,228**	**$0**	**$0**	**$4,729,318**
*** 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**	$24,398	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$24,398**
*** 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**	$6,290	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$6,290**
B2020 - Exterior Windows	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2030 - Exterior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B30 - Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Asphal Shingles	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - BUR	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - EPDM	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Preformed Metal	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Standing Seam Metal	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3020 - Roof Openings	$1,927	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,927**
C - Interiors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C10 - Interior Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

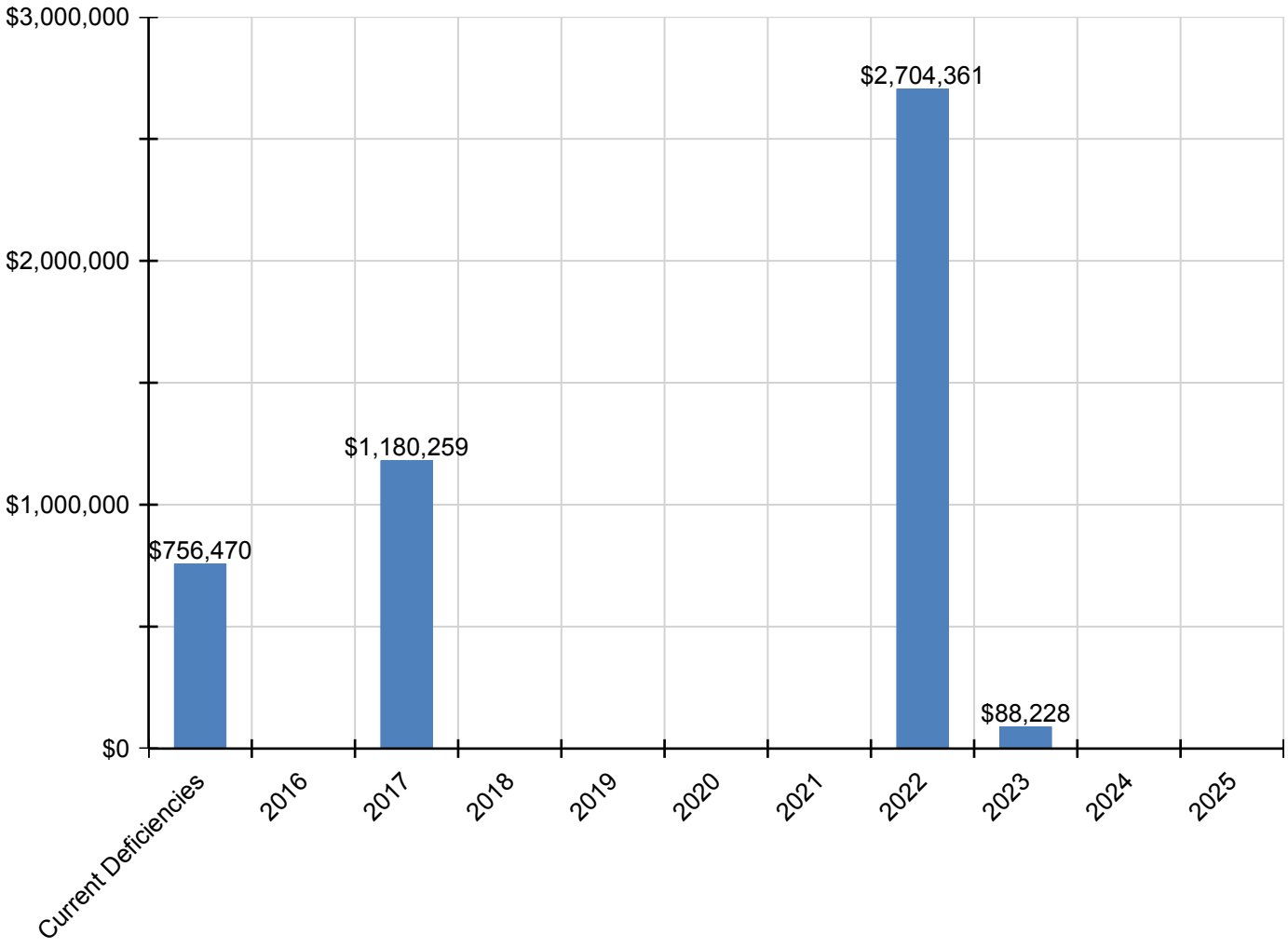
C1010 - Partitions	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1020 - Interior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1030 - Fittings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C20 - Stairs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** C2010 - Stair Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C30 - Interior Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes - Ceramic & Glazed	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes - Paint	$0	$0	$243,105	$0	$0	$0	$0	$0	$0	$0	$0	**$243,105**
C3010 - Wall Finishes - Wall Coverings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020 - Floor Finishes - Carpet	$69,648	$0	$0	$0	$0	$0	$0	$0	$88,228	$0	$0	**$157,876**
C3020 - Floor Finishes - Epoxy Finished Concrete	$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	$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 & Exhaust Systems	$654,206	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$654,206**
D3050 - Terminal & Package Units	$0	$0	$0	$0	$0	$0	$0	$2,704,361	$0	$0	$0	**$2,704,361**
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	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5020 - Branch Wiring	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5020 - Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5030 - Communications and Security - Clock & PA Systems	$0	$0	$705,384	$0	$0	$0	$0	$0	$0	$0	$0	**$705,384**
D5030 - Communications and Security - Fire Alarm	$0	$0	$154,933	$0	$0	$0	$0	$0	$0	$0	$0	**$154,933**
D5030 - Communications and Security - Security & CCTV	$0	$0	$76,837	$0	$0	$0	$0	$0	$0	$0	$0	**$76,837**
D5090 - Other Electrical Systems - Emergency Generator	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E - Equipment & Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E10 - Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1010 - Commercial Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1020 - Institutional Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1090 - Other Equipment - Athletic Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1090 - Other Equipment - Kitchen 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**
F - Special Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
F10 - Special Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
F1010 - Special Structures - Canopies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

** Indicates non-renewable system*

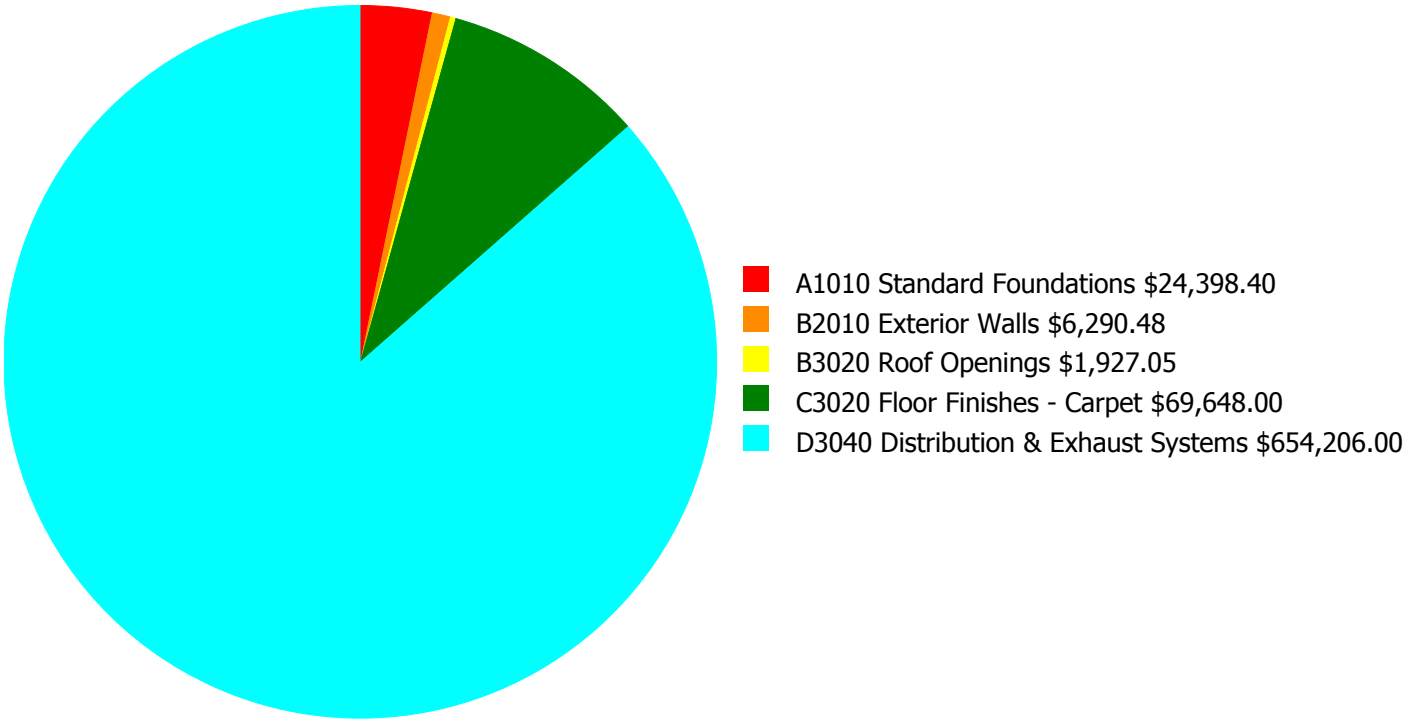
Forecasted Capital Renewal Requirement

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



Deficiency Summary by System

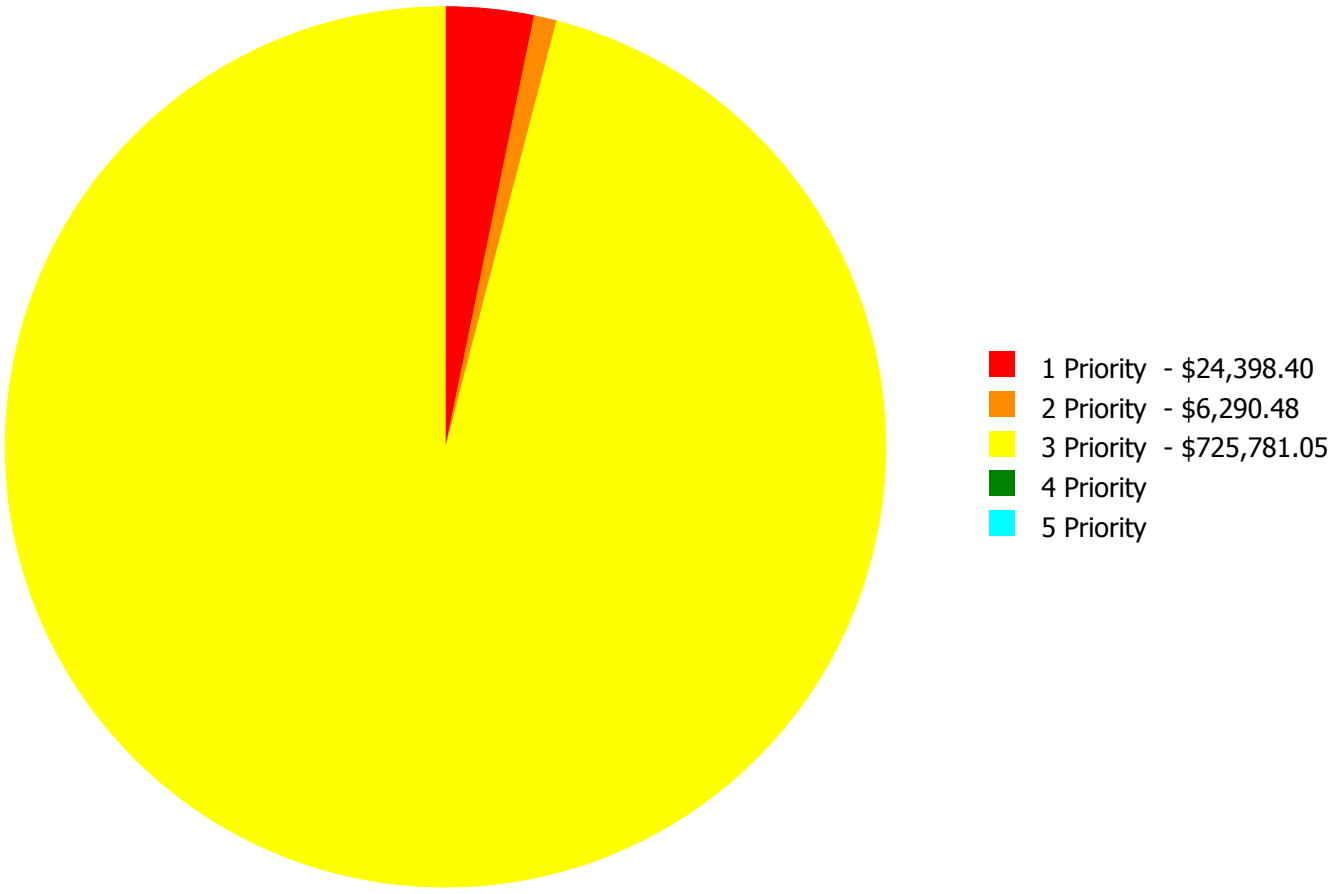
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart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



Budget Estimate Total: $756,469.93

Deficiency Summary by Priority

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



Budget Estimate Total: $756,469.93

Deficiency By Priority Investment Table

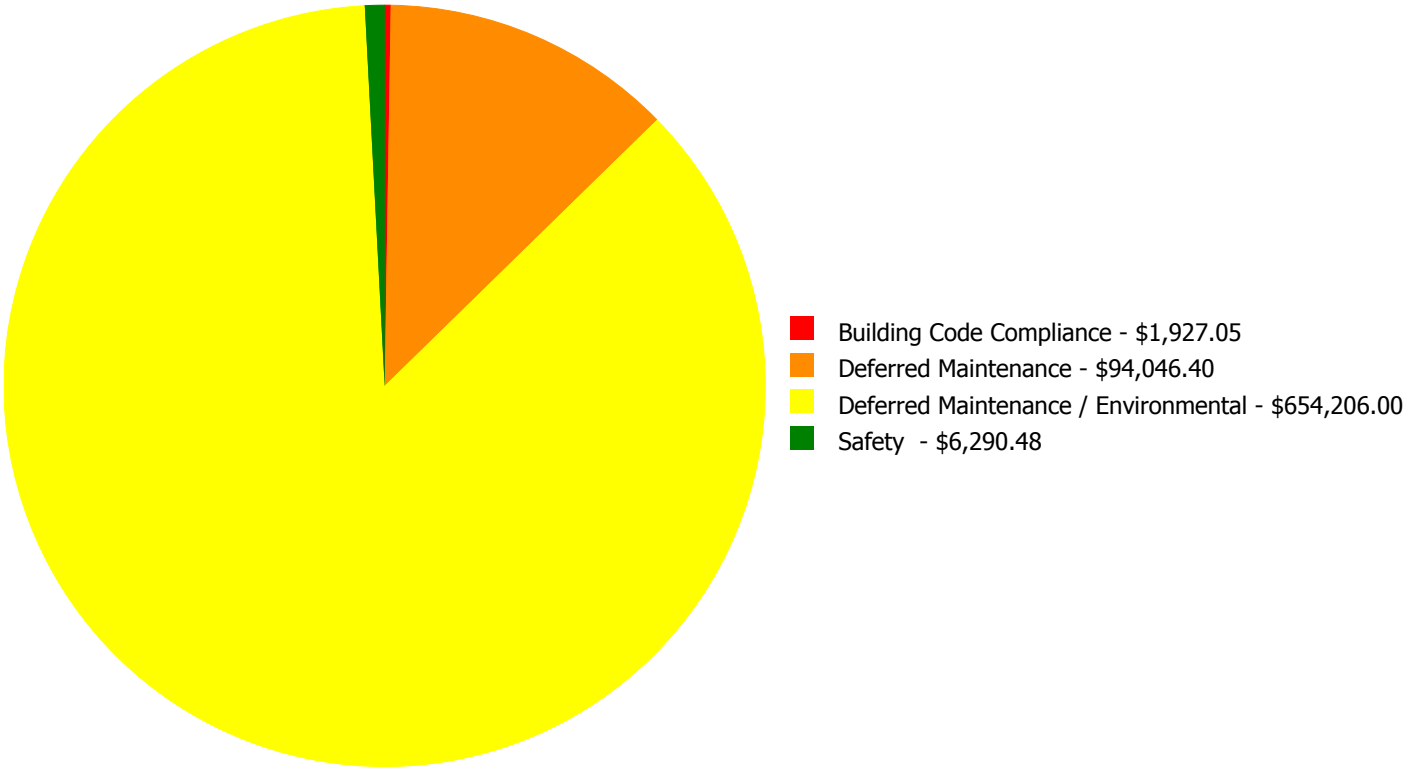
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **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
A1010	Standard Foundations	$24,398.40	$0.00	$0.00	$0.00	$0.00	$24,398.40
B2010	Exterior Walls	$0.00	$6,290.48	$0.00	$0.00	$0.00	$6,290.48
B3020	Roof Openings	$0.00	$0.00	$1,927.05	$0.00	$0.00	$1,927.05
C3020	Floor Finishes - Carpet	$0.00	$0.00	$69,648.00	$0.00	$0.00	$69,648.00
D3040	Distribution & Exhaust Systems	$0.00	$0.00	$654,206.00	$0.00	$0.00	$654,206.00
	Total:	$24,398.40	$6,290.48	$725,781.05	$0.00	$0.00	$756,469.93

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: $756,469.93

Deficiency Details by Priority

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

Priority 1 Priority:

System: A1010 - Standard Foundations

Location: Room 607 on Second Floor

Distress: Damaged

Category: Deferred Maintenance

Priority: 1 Priority

Correction: Engineering Study

Qty: 1.00

Unit of Measure: Ea.

Estimate: $24,398.40

Assessor Name: Eduardo Lopez

Date Created: 06/01/2015

Notes: Interior wall and floor are separating at the expansion joint in the room noted. An engineering study is recommended to determine the cause. Deficiency pricing does not include remediation measures.

Priority 2 Priority:

System: B2010 - Exterior Walls

Location: Three Locations on Roof

Distress: Inadequate

Category: Safety

Priority: 2 Priority

Correction: Replace roof ladder with cage

Qty: 1.00

Unit of Measure: V.L.F.

Estimate: $6,290.48

Assessor Name: Eduardo Lopez

Date Created: 05/29/2015

Notes: Roof ladders are unsafe at three locations. Where the wall mounted roof ladders go over the parapet wall (between roof levels), the foot rungs are so close to the wall that a person can not get a foot/toe hold on the rung to step up or down. Approximately 12 V.L.F. per ladder location.

Priority 3 Priority:

System: B3020 - Roof Openings

Location: Roof

Distress: Inadequate

Category: Building Code Compliance

Priority: 3 Priority

Correction: Replace roof hatch and structure single unit

Qty: 1.00

Unit of Measure: Ea.

Estimate: $1,927.05

Assessor Name: Eduardo Lopez

Date Created: 03/04/2016

Notes: Roof hatch does not comply with OSHA standards; roof opening fall protection and proper extension bar of fixed ladder to platform is not provided.

System: C3020 - Floor Finishes - Carpet

Location: Admin, Media Center, and Music

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 7,449.00

Unit of Measure: S.F.

Estimate: $69,648.00

Assessor Name: Eduardo Lopez

Date Created: 04/11/2015

Notes: The carpet is beyond expected service life, damaged and worn, and should be replaced.

System: D3040 - Distribution & Exhaust Systems

Location: Throughout Building

Distress: Inadequate

Category: Deferred Maintenance / Environmental

Priority: 3 Priority

Correction: Renew System

Qty: 107,937.00

Unit of Measure: S.F.

Estimate: $654,206.00

Assessor Name: Eduardo Lopez

Date Created: 06/01/2015

Notes: Distribution and exhaust systems are inadequate and should be replaced. SPLOST IV project 413-422 to replace the air distribution, exhaust air, and heat recovery system to eliminate odor.

Executive Summary

Building condition is evaluated based on the functional systems and elements of a building and organized according to the UNIFORMAT II Elemental Classification. The grouping of these systems and elements and applying a current replacement value to them develops a representative building cost model. Cost Models are developed for similar building types and functions. Systems and their elements are evaluated based on their current replacement values, life cycles, installation dates and next renewal dates. Systems and their elements that are within their useful lives are further evaluated to identify current deficient conditions that may have a significant impact on a system's or element's remaining service life, and to determine if they are beyond their predicted expected life. The system's or element's current replacement value is based on RS Means Commercial Cost Data.

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

Function:	Elementary School
Gross Area (SF):	107,937
Year Built:	2007
Last Renovation:	
Replacement Value:	$2,519,852
Repair Cost:	$594,818.05
Total FCI:	23.61 %
Total RSLI:	56.65 %
FCA Score:	76.39

Description:

The Flat Rock Elementary School site was originally constructed in 2007, has a total area of 13.4 acres, and is occupied by approximately 107,937 square feet of permanent building space. Campus site features include paved driveways and parking lots, pedestrian pavement, flag pole, landscaping, and fencing. Site mechanical and electrical features include water, sewer, natural gas, and site lighting. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report for the site features.

Attributes:

General Attributes:

Site Code:	1917

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	59.64 %	8.71 %	$116,190.62
G30 - Site Mechanical Utilities	43.21 %	60.66 %	$478,627.43
G40 - Site Electrical Utilities	73.33 %	0.00 %	$0.00
Totals:	**56.65 %**	**23.61 %**	**$594,818.05**

Photo Album

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

1). Aerial Image of Flat Rock Elementary School - May 21, 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.	80,007	25	2007	2032		68.00 %	0.00 %	17			$413,636
G2020	Parking Lots	$4.56	S.F.	23,164	25	2007	2032	2015	0.00 %	110.00 %	0		$116,190.62	$105,628
G2030	Pedestrian Paving	$1.50	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$161,906
G2040	Baseball Field	$8.35	S.F.		20	2007	2027		60.00 %	0.00 %	12			$0
G2040	Canopies	$0.29	S.F.		25	2007	2032		68.00 %	0.00 %	17			$0
G2040	Covered Walkways	$48.72	S.F.	3,000	25	2007	2032		68.00 %	0.00 %	17			$146,160
G2040	Fencing & Guardrails	$0.91	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$98,223
G2040	Football Field	$5.85	S.F.		20	2007	2027		60.00 %	0.00 %	12			$0
G2040	Hard Surface Play Area	$6.26	S.F.	2,804	20	2007	2027		60.00 %	0.00 %	12			$17,553
G2040	Playing Field	$3.92	S.F.	59,696	20	2007	2027		60.00 %	0.00 %	12			$234,008
G2040	Soccer/Lacross Field	$5.00	S.F.		20	2007	2027		60.00 %	0.00 %	12			$0
G2040	Softball Field	$8.86	S.F.		20	2007	2027		60.00 %	0.00 %	12			$0
G2040	Tennis Courts	$18.47	S.F.		20	2007	2027		60.00 %	0.00 %	12			$0
G2040	Track	$7.04	S.F.		10	2007	2017		20.00 %	0.00 %	2			$0
G2050	Landscaping	$1.45	S.F.	107,937	15	2007	2022		46.67 %	0.00 %	7			$156,509
G3010	Water Supply	$1.83	S.F.	107,937	50	2007	2057		84.00 %	0.00 %	42			$197,525
G3020	Sanitary Sewer	$1.15	S.F.	107,937	50	2007	2057		84.00 %	46.03 %	42		$57,133.44	$124,128
G3030	Storm Sewer	$3.55	S.F.	107,937	50	2007	2057	2015	0.00 %	110.00 %	0		$421,493.99	$383,176
G3060	Fuel Distribution	$0.78	S.F.	107,937	50	2007	2057		84.00 %	0.00 %	42			$84,191
G4010	Electrical Distribution	$1.86	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$200,763
G4020	Site Lighting	$1.15	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$124,128
G4030	Site Communications & Security	$0.67	S.F.	107,937	30	2007	2037		73.33 %	0.00 %	22			$72,318
								Total	**56.65 %**	**23.61 %**			**$594,818.05**	**$2,519,852**

Renewal Schedule

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

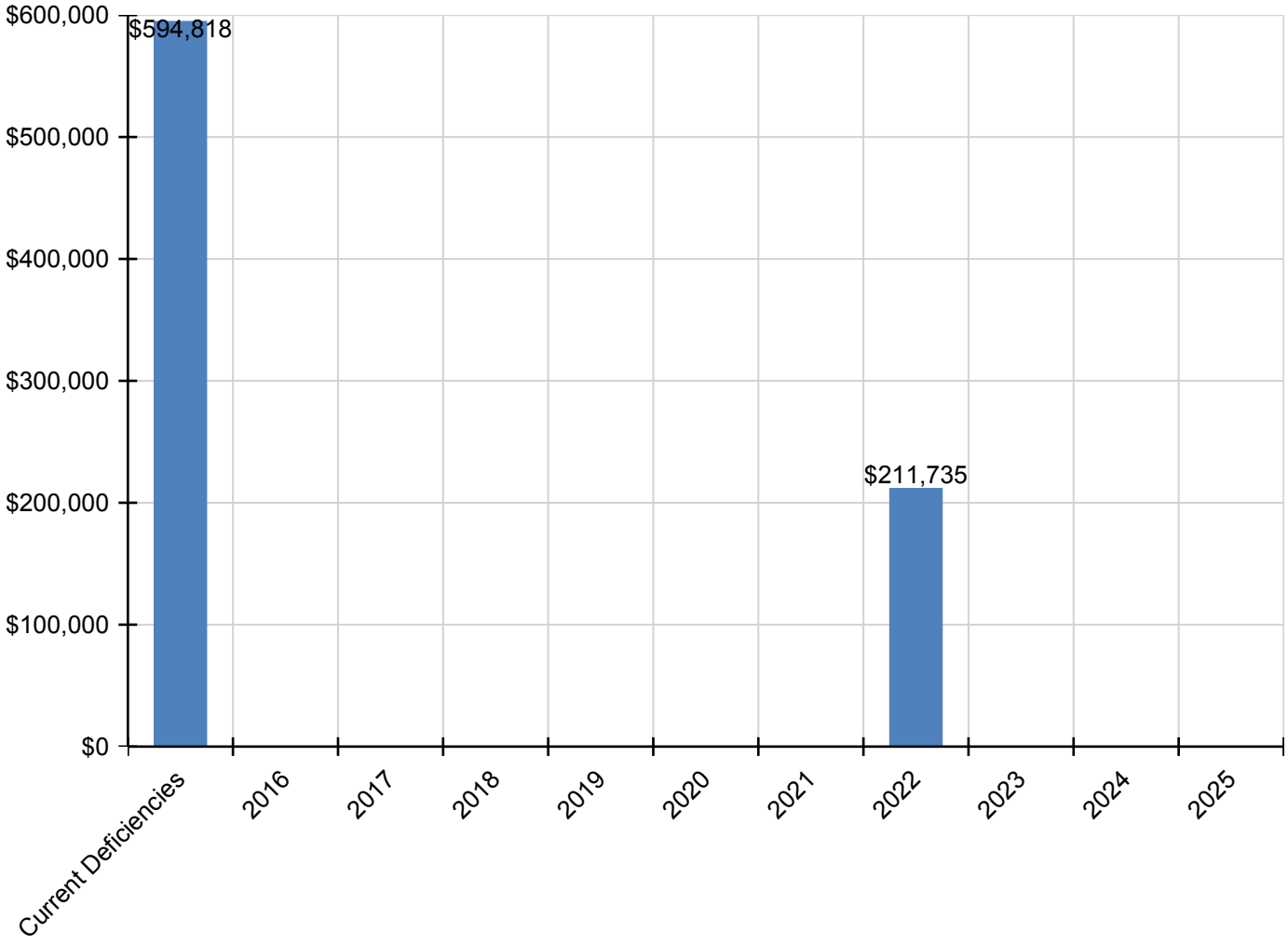
Inflation Rate: 3%

System	Current Deficiencies	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Total:	**$594,818**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$211,735**	**$0**	**$0**	**$0**	**$806,553**
G - Building Sitework	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G20 - Site Improvements	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2010 - Roadways	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2020 - Parking Lots	$116,191	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$116,191**
G2030 - Pedestrian Paving	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Baseball Field	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Canopies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Covered Walkways	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Fencing & Guardrails	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
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	$0	$0	$0	$0	$0	$0	$0	$211,735	$0	$0	$0	**$211,735**
G30 - Site Mechanical Utilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G3010 - Water Supply	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G3020 - Sanitary Sewer	$57,133	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$57,133**
G3030 - Storm Sewer	$421,494	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$421,494**
G3060 - Fuel Distribution	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G40 - Site Electrical Utilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G4010 - Electrical Distribution	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G4020 - Site Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G4030 - Site Communications & Security	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

** Indicates non-renewable system*

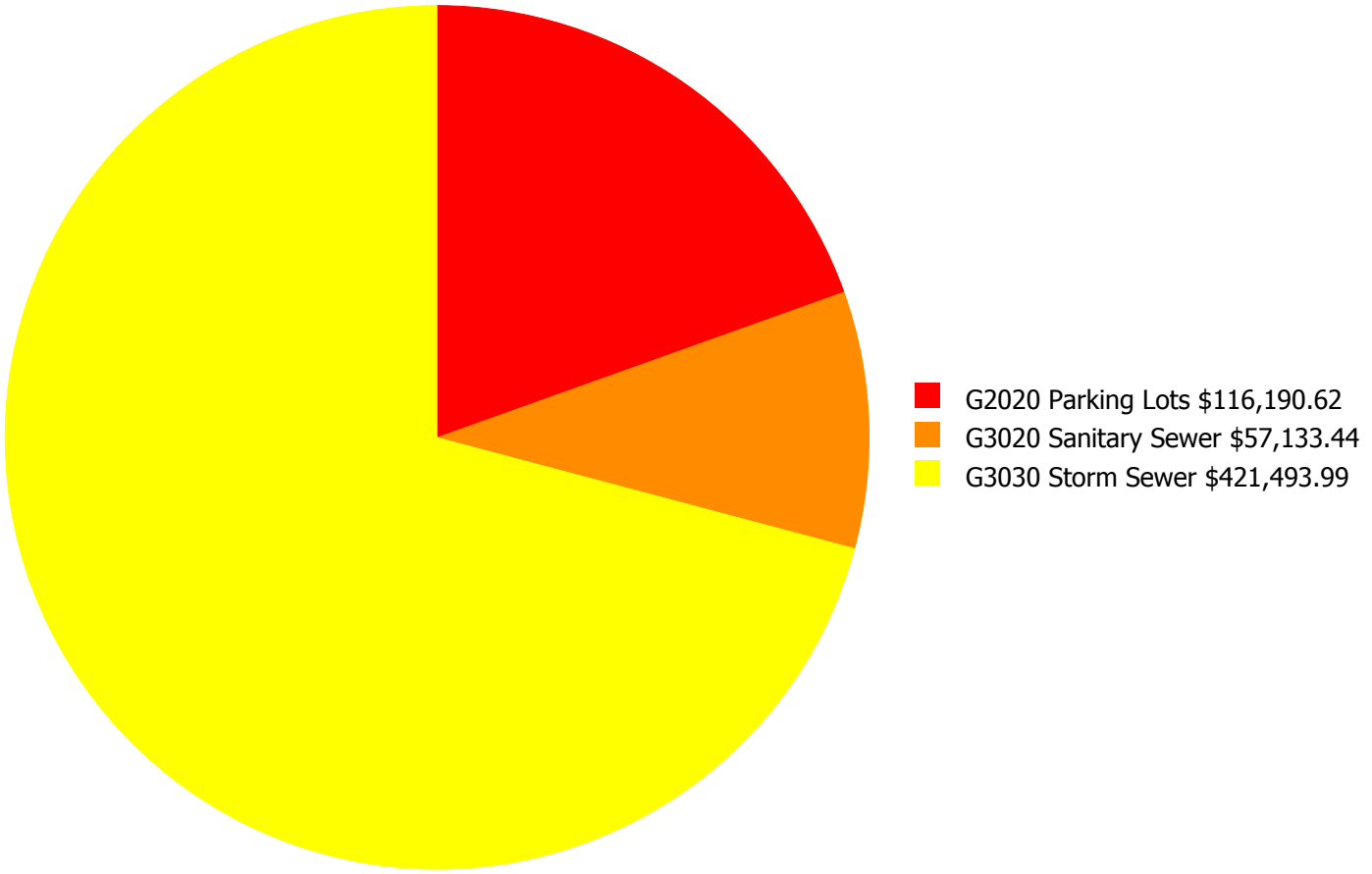
Forecasted Capital Renewal Requirement

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



Deficiency Summary by System

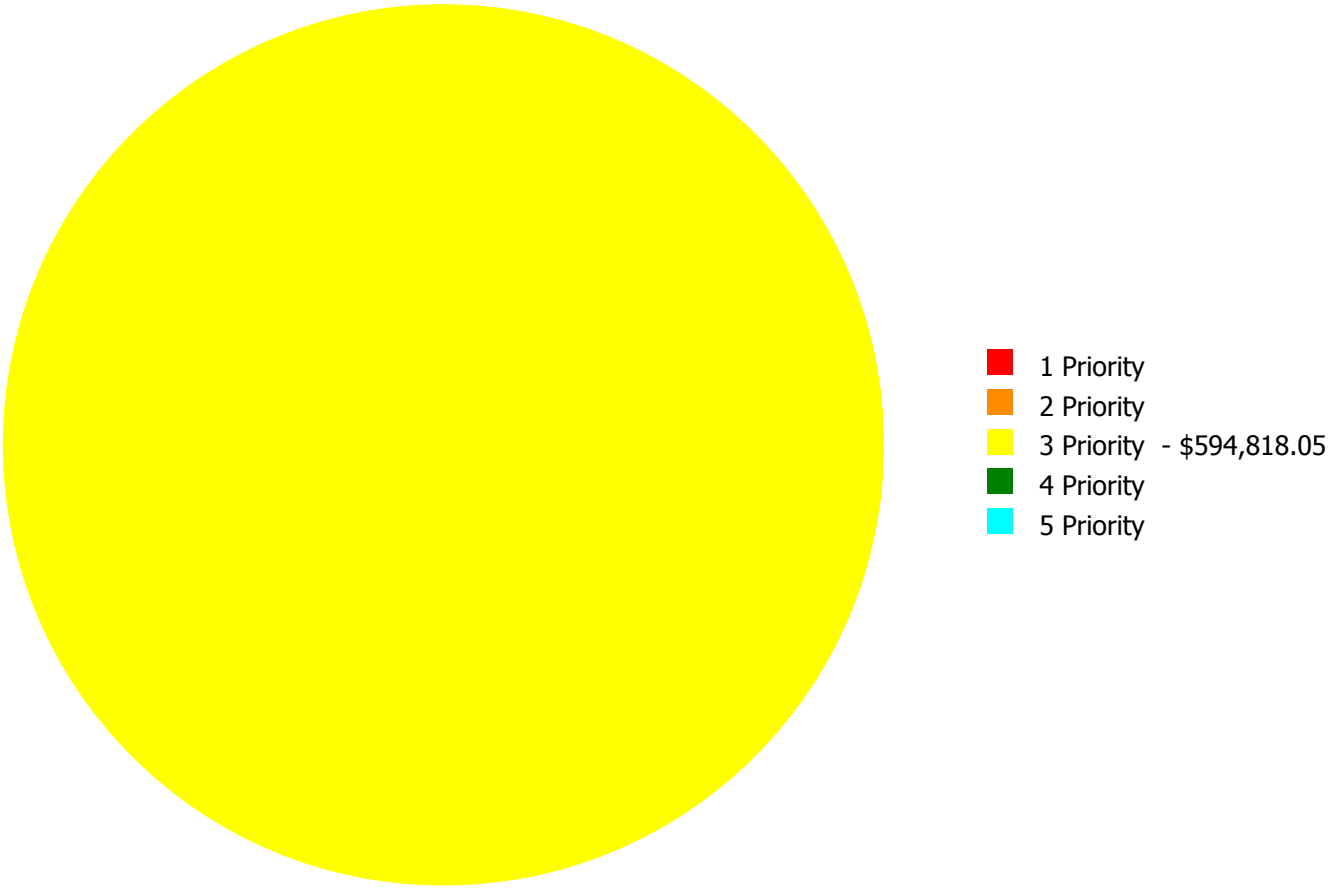
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart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



Budget Estimate Total: $594,818.05

Deficiency Summary by Priority

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



Budget Estimate Total: $594,818.05

Deficiency By Priority Investment Table

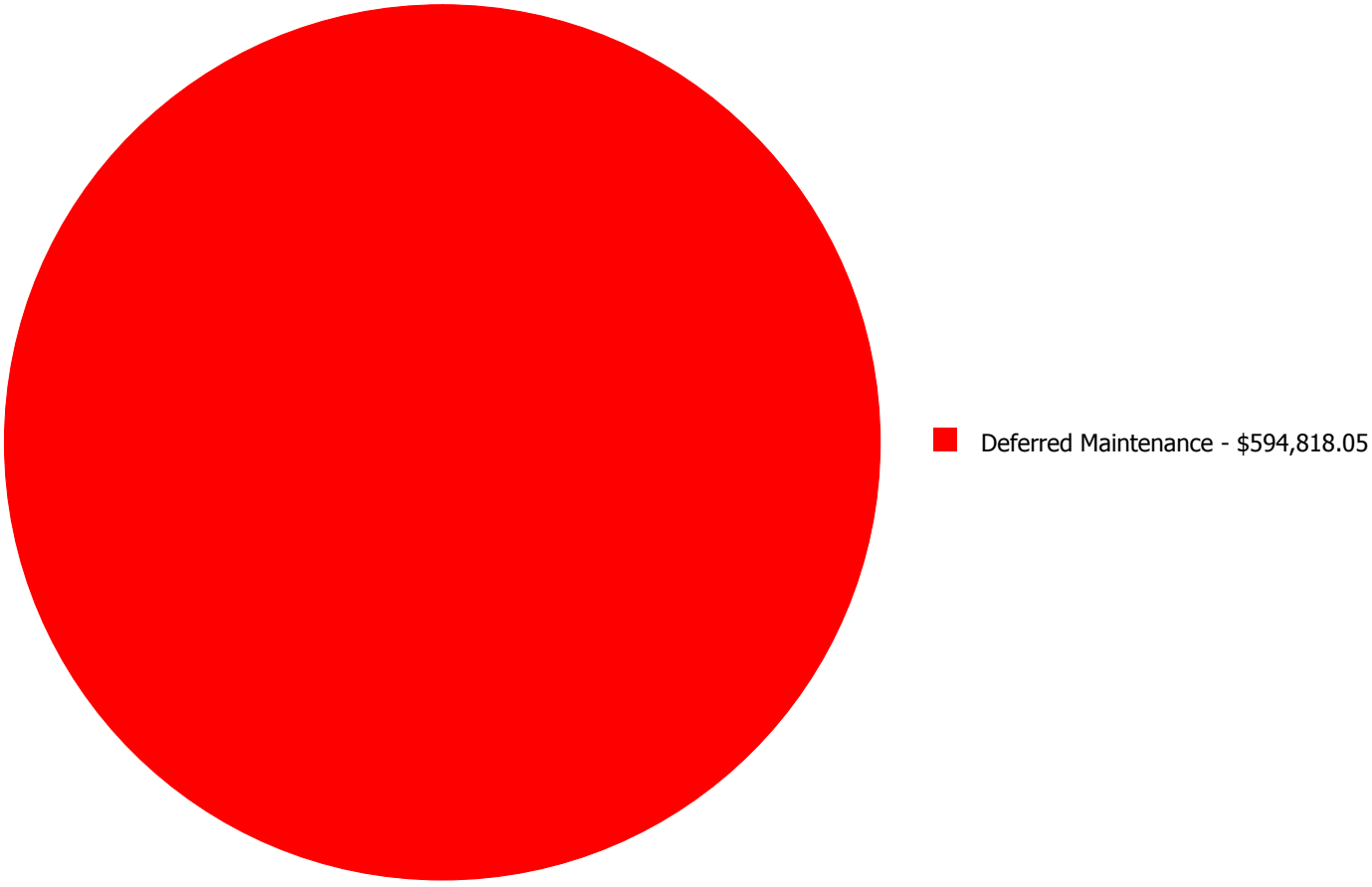
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **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
G2020	Parking Lots	$0.00	$0.00	$116,190.62	$0.00	$0.00	$116,190.62
G3020	Sanitary Sewer	$0.00	$0.00	$57,133.44	$0.00	$0.00	$57,133.44
G3030	Storm Sewer	$0.00	$0.00	$421,493.99	$0.00	$0.00	$421,493.99
	Total:	$0.00	$0.00	$594,818.05	$0.00	$0.00	$594,818.05

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: $594,818.05

Deficiency Details by Priority

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

Priority 3 Priority:

System: G2020 - Parking Lots

Location: Site
Distress: Damaged
Category: Deferred Maintenance
Priority: 3 Priority
Correction: Renew System
Qty: 23,164.00
Unit of Measure: S.F.
Estimate: $116,190.62
Assessor Name: Eduardo Lopez
Date Created: 05/29/2015

Notes: The parking lot is showing signs of excessive wear and damage, and it floods when it rains. The parking lot apparently sits over old homesteads which may have had cisterns or septic tanks. The lot needs to be repaired/sections replaced, and restriped. The lot also needs to be expanded for kitchen staff.

System: G3020 - Sanitary Sewer

Location: Site
Distress: Inadequate
Category: Deferred Maintenance
Priority: 3 Priority
Correction: Replace Grease Trap
Qty: 1.00
Unit of Measure: Ea.
Estimate: $57,133.44
Assessor Name: Eduardo Lopez
Date Created: 06/01/2015

Notes: Grease trap is inadequate and should be replaced. SPLOST IV project 413-422 to replace grease trap and backflow preventer.

System: G3030 - Storm Sewer

Location: Site

Distress: Inadequate

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 107,937.00

Unit of Measure: S.F.

Estimate: $421,493.99

Assessor Name: Eduardo Lopez

Date Created: 12/28/2015

Notes: Storm water drainage is reported as inadequate throughout the site, including parking lot and area between classroom wings, and should be redesigned and replaced.

Glossary

Abandoned	A facility owned by a district that is not occupied and not maintained. See Vacant.
Additional Cost	Total project cost is composed of hard and soft costs. Additional costs or soft expenses are costs that are necessary to accomplish the corrective work but are not directly attributable to the deficient systems direct construction cost, which are often referred to as hard cost. The components included in the soft costs vary by owner but usually include architect and contractor fees, contingencies and other owner-incurred costs necessary to fully develop and build a facility. These soft cost factors can be adjusted anytime within the eCOMET® database at the owner's discretion.
Assessment	Visual survey of a facility to determine its condition. It involves looking at the age of systems, reviewing information from local sources and visual evidence of potential problems to assign a condition rating. It does not include destructive testing of materials or testing of systems or equipment for functionality.
ASTM	ASTM International (ASTM): Originally known as the American Society for Testing and Materials, ASTM is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.
BOMA	Building Owners Managers of America (BOMA): National organization of public and private facility owners focused on building management tools and maintenance techniques. eCOMET® reference: Building and component system effective economic life expectancies.
Building	A fully enclosed and roofed structure that can be traversed internally without exiting to the exterior.
Building Addition	An area, space or component of a building added to a building after the original building's year built date. NOTE: As a convention in the database, "Main" was used to designate the original building. Additions built prior to 1983 (30 years) were included in the main building area calculations to reflect their predicted system depreciation characteristics and remaining service life.
Building Systems	eCOMET® uses UNIFORMAT II to organize building data. UNIFORMAT II was originally developed by the federal General Services Administration to delineate building costs by systems rather than by material. UNIFORMAT II was formalized by an NIST standard, NISTIR 6389 in 1999. It has been further quantified and updated by ASTM standard 2005, E1557-05. The Construction Specifications Institute, CSI, has taken over the standard as part of their MasterFormat / MasterSpec system.
Calculated Next Renewal	The year a system or building element would be expected to expire based solely on the date it was installed and the expected useful lifetime for that kind of system.
Capital Renewal	Capital renewal refers to the cyclical replacement of building systems or elements as they become obsolete or beyond their useful life. It is not normally included in an annual operating/maintenance budget. See calculated next renewal and next renewal.
City Cost Index (CCI)	RS Means provides building system, equipment, and construction costs at a national level. The City Cost Index (also provided by RS Means) localizes those costs to a geographic region of the United States. In eCOMET®, each building or site is assigned a City Cost Index, which adjusts all of the associated costs for systems, deficiencies and inventory to the local value.
Condition	Condition refers to the state of physical fitness or readiness of a facility system or system element for its intended use.
Condition Budget	The Condition Budget, also known as Condition Needs, represents the budgeted contractor installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging the work.

Condition Index (CI) %	The Condition Index (CI) also known as the Remaining Service Life Index (RSLI) is calculated as the sum of a renewable system's Remaining Service Life (RSL) Value divided by the sum of a system's Replacement Value (both values exclude soft cost to simplify calculation updates) expressed as a percentage ranging from 100.00% (new) to 0.00% (expired - no remaining life).
Construction Specifications Institute	Construction Specifications Institute: Primary national organization specializing in construction materials data and data location in construction documents. eCOMET® reference: UNIFORMAT II materials classification.
Correction	Correction refers to an assessor's recommended deficiency repair or replacement action. For any system or element deficiency, there can be multiple and alternative solutions for its repair or replacement. A Correction is user defined and tied to a UNIFORMAT II element, or system it is intended to address. It excludes other peripheral costs that may also be included in the packaging of repair, replacement or renewal improvements that may also be triggered by the deficiency correction.
Cost Model	A cost model is a list of facility systems which could represent the installed systems a given facility. Included in the cost model are standard unit cost estimates, gross areas, life cycles and installed dates. Also represented is the repair cost for deficient systems, replacement values. See eCOMET® cost models.
Criteria	Criteria refer to the set of requirements, guidelines or standards that are assessed and rated to develop a score.
Current Period	The Current Period is the current year plus a user defined number of forward years.
Current Replacement Value (CRV)	The Current Replacement Value (CRV) of a facility, building or system represents the hypothetical cost of rebuilding or replacing an existing facility under today’s codes and construction standards, using its current configuration. It is calculated by multiplying the gross area of the facility by a square foot cost developed in that facility’s cost model. Replacement cost includes construction costs and owner’s additional or soft costs for fees, permits and other expenses to reflect a total project cost.
Deferred Maintenance	Deferred maintenance is condition work deferred on a planned or unplanned basis to a future budget cycle or postponed until funds are available.
Deficiency	A deficiency is a repair item that is damaged, missing, inadequate or insufficient for an intended purpose.
Deficiency Category	Deficiency Category refers to the type or class of a user defined deficiency grouping with shared or similar characteristics. Category descriptions include, but are not limited to: Accessibility Code Compliance, Appearance, Building Code Compliance, Deferred Maintenance, Energy, Environmental, Life Safety Code Compliance, and Safety.
Deficiency Distress	Deficiency Distress refers to a user-defined root cause of a deficiency. Distress descriptions are: Beyond Service Life, Damaged, Inadequate, Needs Remediation, and Missing.
Deficiency Priority	Deficiency Priority refers to a deficiency's urgency for repair as determined by the assessment team. Deficiencies were assigned a priority of 1 through 5, with Priority 1 deficiencies being the most urgent.
eCOMET®	Energy and Condition Management Estimation Technology (eCOMET®) is Parsons proprietary facility asset management software developed to provide facility managers with a state of the art, web-based tool to develop and maintain a comprehensive database of FCA data and information used for facility asset management, maintenance and repair, and capital renewal planning. eCOMET® is used by Parsons and its clients as the primary tool for collecting FCA data, preparing cost estimates, generating individual facility reports and cost estimates, and developing the overall capital renewal program.

eCOMET® Cost Models	eCOMET® cost models are derived from RS Means Square Foot Cost Data cost models and these models are used to develop the current replacement value (CRV) and assign life cycle costs to the various systems within a building. Cost models are assigned current costs-per-square-foot to establish replacement values. The Cost models are designed to represent a client specific facility that meets local standards cost trends.
Element	Elements are the major components that comprise building systems as defined by UNIFORMAT II.
Expected Life	Also referred to as Useful Life. See Useful Life definition.
Facility	A facility refers to site(s), building(s), or building addition(s), or combinations thereof that provide a particular service or support of an educational purpose.
Facility Attributes	Customizable eCOMET® fields to identify attributes specific to a facility. These fields are part of the eCOMET® database set-up with the owner.
Facility Condition Assessment (FCA)	A facility condition assessment (FCA) is a visual inspection of buildings and grounds at a facility to identify and estimate current and future needed repairs or replacements of major systems for planning and budgeting purposes. It is typically performed for organizations that are tasked with the day to day maintenance, operation, and capital renewal (replacement) of building systems and components of a large inventory of facilities. The primary goal of an FCA is to objectively and quantifiably identify, inspect, and prioritize the repair and replacement needs of the building and ground systems (e.g., roofs, windows, doors, floor finishes, plumbing fixtures, parking lot, and sidewalks) within facilities that have either failed or have surpassed their service life, and to identify and forecast future capital replacement needs for systems that have not yet failed, but planned replacement of those systems is needed to ensure that the facilities will continue to meet the mission of the organization.
Facility Condition Index (FCI)	FCI is an industry-standard measurement of a facility's condition expressed as a percentage from 0.00% to 100.00% that is derived by dividing the cost to correct a facility's deficiencies by its Current Replacement Value (CRV). The higher the FCI the poorer the condition of a facility. After an FCI is established for all buildings within a portfolio, a building's condition can be ranked relative to other buildings. The FCI may also represent the condition of a portfolio based on the cumulative FCIs of the portfolio's facilities.
Forecast Period	The Forecast Period refers to a user defined number of years forward of the Current Period.
Gen (Generate)	The Cost Model has a Gen box for each system line item. By checking the box, eCOMET® will generate life cycle deficiencies based on the Year Installed and the Life for that system. Systems that typically do not re-generate (foundations, floor construction, roof construction, basement walls, etc.) would not have the Gen box checked as those systems would not re-generate at the end of a life cycle. In those instances, it would be more practical and cost effective to demolish the entire facility than renew those systems.
Gross Square Feet (GSF)	The area of the enclosed floor space of a building or building addition in square feet measured to the outside face of the enclosing wall.
Life cycle	Life cycle refers to the period of time that a building or site system or element can be expected to adequately serve its intended function. Parsons assigns expected life cycles to all building systems based on Building Operators and Managers of America (BOMA) recommended life cycles, manufacturers suggested life, and RS Means cost data, and client-provided historical data. BOMA standards are a nationally recognized source of life cycle data for various components and/or systems associated with facilities. RS Means is a national company specializing in construction estimating and costs.
Next Renewal	Next Renewal refers to a manually-adjusted expected useful life of a system or element based on on-site inspection either by reducing or extending the Calculated Next Renewal to more accurately reflect current conditions.

Order of Magnitude	Order of Magnitude refers to a rough approximation made with a degree of knowledge and confidence that the budgeted, projected or estimated cost falls within a reasonable range of cost values.
Remaining Service Life (RSL)	RSL is the number of years of service remaining for a system or equipment item. It is automatically calculated based on the difference between the current year and the Calculated Next Renewal date or the Next Renewal date whichever one is the later date.
Renewal Factors	Renewal factors represent the difference in cost of renovating or replacing an existing system, rather than new construction of a building system. For example, installing a new built-up roof on an existing building would include removing and disposing of the old roof, a cost not associated with new construction. Using a renewal premium to account for demolition and other difficulty costs, Parsons typically assigns a renewal factor of 110%.
Renewal Schedule	A timeline by year that indicates when the systems will need to be renewed and the estimated price of the renewal.
Repair Cost	Repair cost is the sum of all the deficiencies associated with a building or multiple buildings/facilities. It will include any applied soft costs or City Cost Indexes.
Replacement Value	See Current Replacement Value.
Site	A facility's grounds and its utilities, roadways, landscaping, fencing and other typical land improvements needed to support a facility.
Soft Costs	Soft Costs are a construction industry term that refers to expense items that are not considered direct construction costs. Soft costs are user-defined and include architectural, engineering, management, testing, and mitigation fees, and other owner pre- and post-construction expenses.
Sustainability	Sustainability refers to the collection of policies and strategies that meet society's present needs without compromising the ability of future generations to meet their own needs.
System	System refers to building and related site work elements as described by ASTM UNIFORMAT II Classification for Building Elements (E1557-97), a format for classifying major facility elements common to most buildings. Elements usually perform a given function regardless of the design specification construction method or materials used. See also UNIFORMAT II.
System Generated Deficiency	eCOMET® automatically generates system deficiencies based on system life cycles using the systems installation dates as the base year. By adjusting the Next Renewal date ahead or behind the predicted or stated life cycle date, a system cost will come due earlier or later than the originally installed life cycle date. This utility accounts for good maintenance conditions and a longer life, or early expiration of a system life due to any number of adverse factors such as poor installation, acts of god, material defects, poor design applications and other factors that may shorten the life of a material or system. It is important to mention that the condition of the systems is not necessarily a reflection of maintenance practices, but a combination of system usage and age.
UNIFORMAT	ASTM UNIFORMAT II, Classification for Building Elements (E1557-97), a publication of the Construction Specification Institute (CSI), is a format used to classify major facility components common to most buildings. The format is based on functional elements or parts of a facility characterized by their functions without regard to the materials and methods used to accomplish them. These elements are often referred to as systems or assemblies.
Unit Price	The Unit Price (Raw) x (100% + the Additional Cost Template percentage).
Unit Price (Raw)	The actual $/sq. ft cost being used for the building and systems. It will include adjustments for the City Cost Index applied to the facility.

Useful Life	Also known as Expected Life, Useful Life refers to the intrinsic period of time a system or element is expected to perform as intended. Useful life is generally provided by manufacturers of materials, systems and elements through their literature, testing and experience. Useful Lives in the database are derived from the Building Owners and Managers (BOMA) organization's guidelines, RSMeans cost data, and from client- defined historical experience.
Vacant	Vacant refers to a facility that is not occupied but is a maintained facility by a district. See Abandoned.
Year Built	The year that a building or addition was originally built based on its date of substantial completion or occupancy.
Year Installed	The year a system or element was built or the most recent major renovation date where a minimum of 70% of the system's Current Replacement Value (CRV) was replaced.