

NC School District/430 Harnett County/Elementary School

# Boone Trail Elementary

Final

## Campus Assessment Report

March 11, 2017



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**Campus Executive Summary**

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

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

Gross Area (SF):	125,992
Year Built:	2010
Last Renovation:	
Replacement Value:	\$28,803,704
Repair Cost:	\$191,098.60
Total FCI:	0.66 %
Total RSLI:	77.10 %
FCA Score:	99.34



**Description:**

General:

The Boone Trail Elementary School is located on 1425 Adcock Road, in Lillington, North Carolina. The 125,442-square foot building contains a school, a storage building and 6 portable buildings. The school was constructed in 2010, there have been no additions or renovations to the building.

A. SUBSTRUCTURE

The building rests on slab-on grade and is assumed to have standard cast-in-place concrete foundations. The building does not have a basement.

B. SUPERSTRUCTURE

The building typically rests on footings and foundation walls that are not currently showing signs of settlement or damage. The main

## Campus Assessment Report - Boone Trail Elementary

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structure is metal frame with brick façade. The roof is performed metal roof for the main building and storage and EPDM for the gym. Exterior doors are typically hollow metal glazed doors and the windows are typically metal double pane windows.

### C. INTERIORS

Partition wall types include painted CMU blocks, ceramic tile and drywalls. Most ceiling finishes are typically acoustical ceiling tiles. Floor finishes in high use areas are typically vinyl tiles and terrazzo. Most other flooring finishes are ceramic tiles, carpet, and exposed concrete. Interior doors are generally wooden doors.

### CONVEYING:

The building does not include conveying equipment.

### D. SERVICES

#### PLUMBING:

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

#### MECHANICAL/PLUMBING:

Cooling for this building is provided by two air cooled chillers. Heating is provided by two boilers. Supplemental cooling is provided by terminal and package units. Conditioned air is distributed through ducts.

#### FIRE PROTECTION/LIFE SAFETY SYSTEMS:

The building does have a fire sprinkler system. The building does have additional fire suppression systems, which include dry chemical system for the kitchen exhaust hood. Fire extinguishers and cabinets are distributed near fire exits and corridors.

#### ELECTRICAL:

The main electrical service is fed from a pad mounted transformer to the main switchboard/distribution panel located in the building. Lighting is lay-in, recessed and surface type, fluorescent light fixtures. Branch circuit wiring is typically copper serving electrical switches and receptacles. Emergency and life safety egress lighting systems are installed and exit signs are present at exit doors and near stairways and are typically illuminated.

#### COMMUNICATIONS AND SECURITY:

The fire alarm system consists of audible/visual strobe annunciators' in common spaces, balconies and interior corridors. The system is activated by manual pull stations and smoke detectors and the system is centrally monitored. The telephone and data systems are segregated and include dedicated equipment closets. This building does have a local area network (LAN). The building includes an internal security system that is actuated by the following items: contacts, infrared, optical or a combination of all devices. The security system has CCTV cameras and is centrally monitored; this building has a public address and paging system separate from the telephone system.

#### OTHER ELECTRICAL SYSTEMS:

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

### E. EQUIPMENT & FURNISHINGS:

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

### G. SITE:

Campus site features include paved driveways and parking lots, pedestrian pavement, flag pole, landscaping, play areas, and fencing. Site mechanical and electrical features include water, sewer, natural gas, and site lighting.

## Campus Assessment Report - Boone Trail Elementary

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### Attributes:

#### General Attributes:

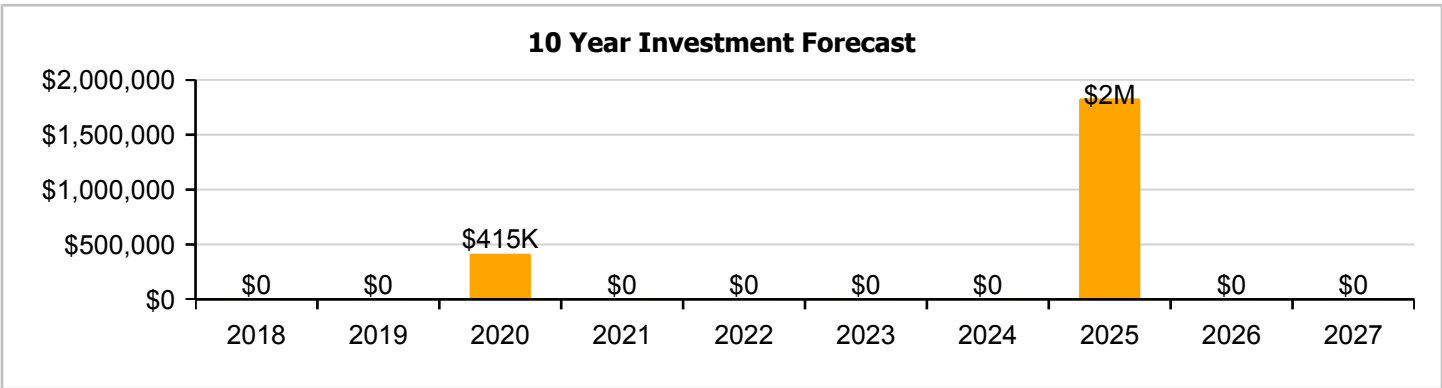
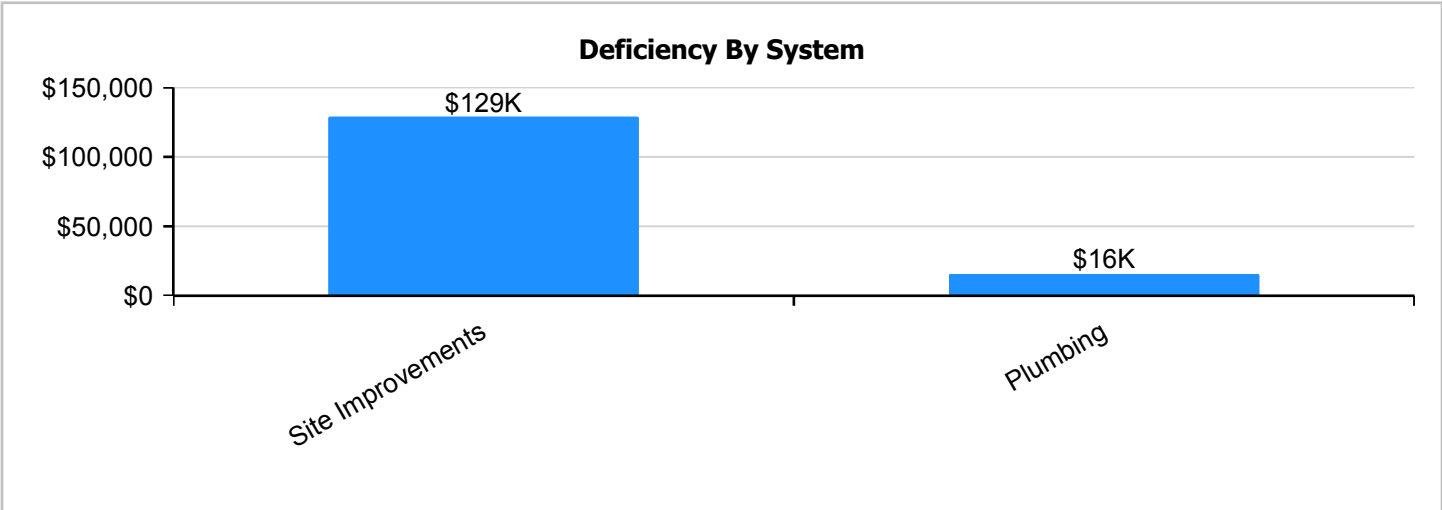
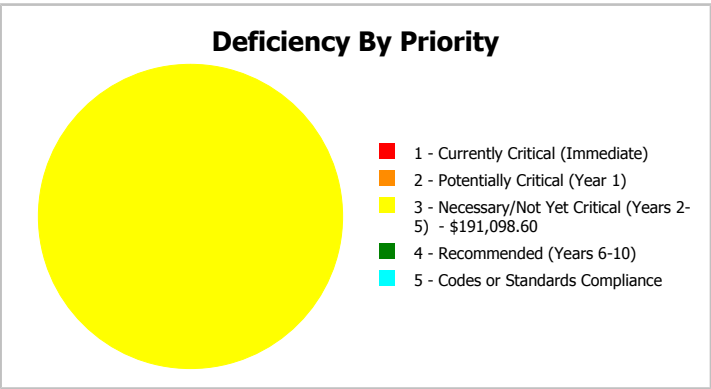
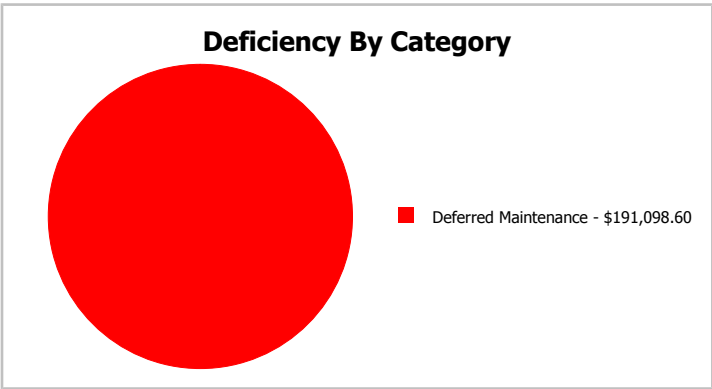
Condition Assessor:	Terence Davis	Assessment Date:	
Suitability Assessor:			

#### School Information:

HS Attendance Area:	Harnett - Western Harnett HS	LEA School No.:	430-316
No. of Mobile Units:	6	No. of Bldgs.:	2
SF of Mobile Units:	5184	Status:	Active
School Grades:	K-5	Site Acreage:	35.3

**Campus Dashboard Summary**

Gross Area:	125,992	Last Renovation:	
Year Built:	2010	Replacement Value:	\$28,803,704
Repair Cost:	\$191,099	RSLI%:	77.10 %
FCI:	0.66 %		



## Campus Condition Summary

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

### Current Investment Requirement and Condition by Unifomat Classification

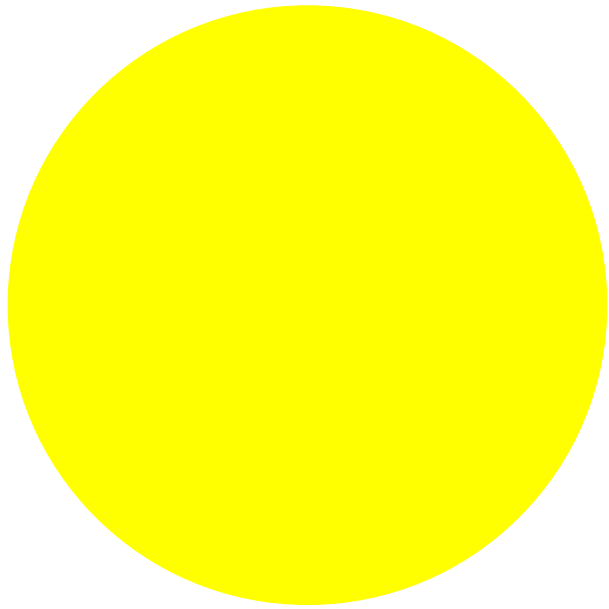
UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	93.00 %	0.00 %	\$0.00
A20 - Basement Construction	93.00 %	0.00 %	\$0.00
B10 - Superstructure	93.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	84.46 %	0.00 %	\$0.00
B30 - Roofing	75.63 %	0.00 %	\$0.00
C10 - Interior Construction	78.30 %	0.00 %	\$0.00
C20 - Stairs	76.67 %	0.00 %	\$0.00
C30 - Interior Finishes	64.17 %	0.00 %	\$0.00
D20 - Plumbing	76.67 %	1.20 %	\$20,631.60
D30 - HVAC	73.83 %	0.00 %	\$0.00
D40 - Fire Protection	76.67 %	0.00 %	\$0.00
D50 - Electrical	69.08 %	0.00 %	\$0.00
E10 - Equipment	65.00 %	0.00 %	\$0.00
E20 - Furnishings	65.00 %	0.00 %	\$0.00
G20 - Site Improvements	62.97 %	8.35 %	\$170,467.00
G30 - Site Mechanical Utilities	85.63 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	77.17 %	0.00 %	\$0.00
<b>Totals:</b>	<b>77.10 %</b>	<b>0.66 %</b>	<b>\$191,098.60</b>

### Condition Deficiency Priority

Facility Name	Gross Area (S.F.)	FCI %	1 - Currently Critical (Immediate)	2 - Potentially Critical (Year 1)	3 - Necessary/Not Yet Critical (Years 2-5)	4 - Recommended (Years 6-10)	5 - Codes or Standards Compliance
2010 Main Building	125,442	0.08	\$0.00	\$0.00	\$20,631.60	\$0.00	\$0.00
2010 Storage	550	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Site	125,992	4.48	\$0.00	\$0.00	\$170,467.00	\$0.00	\$0.00
<b>Total:</b>		<b>0.66</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$191,098.60</b>	<b>\$0.00</b>	<b>\$0.00</b>

### Deficiencies By Priority





- 1 - Currently Critical (Immediate)
- 2 - Potentially Critical (Year 1)
- 3 - Necessary/Not Yet Critical (Years 2-5) - \$191,098.60
- 4 - Recommended (Years 6-10)
- 5 - Codes or Standards Compliance

**Budget Estimate Total: \$191,098.60**

**Executive Summary**

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Function:	ES -Elementary School
Gross Area (SF):	125,442
Year Built:	2010
Last Renovation:	
Replacement Value:	\$24,922,817
Repair Cost:	\$20,631.60
Total FCI:	0.08 %
Total RSLI:	77.83 %
FCA Score:	99.92



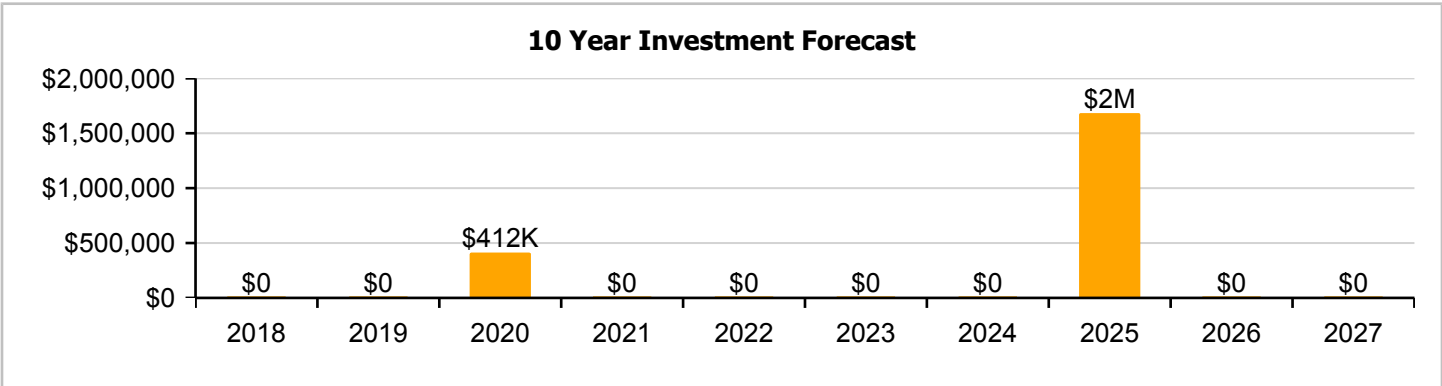
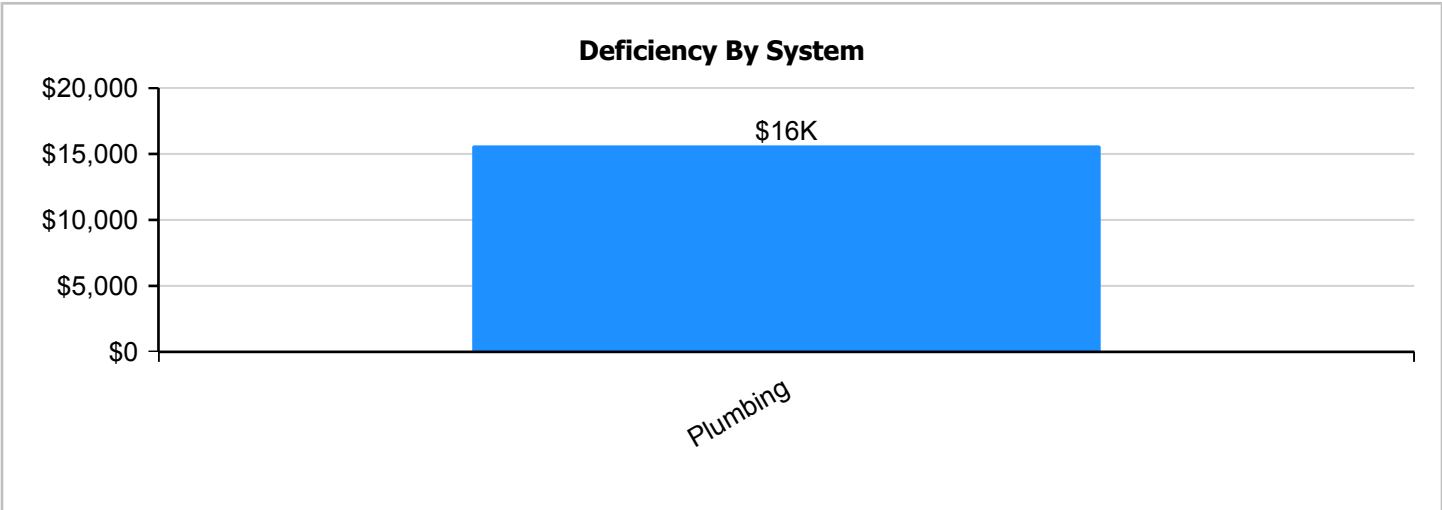
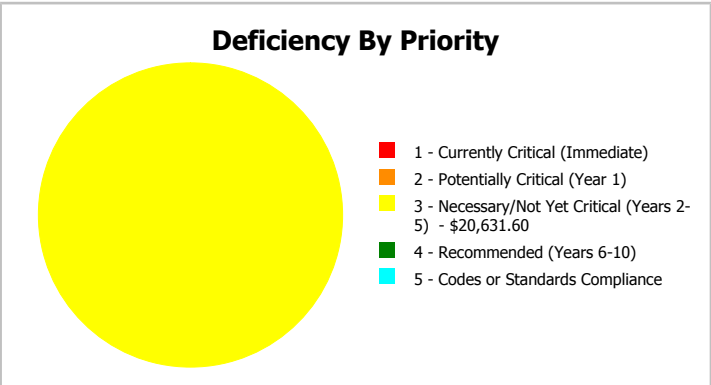
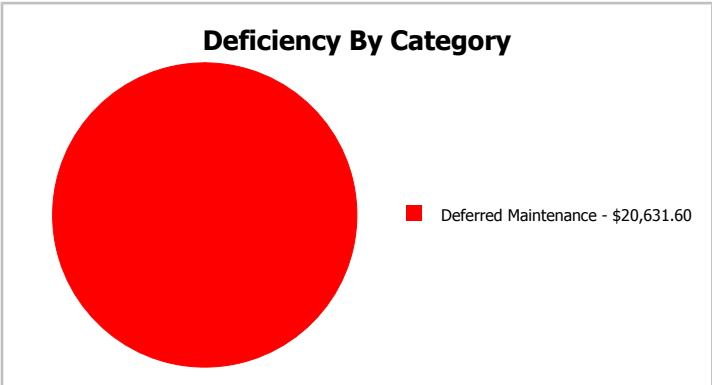
**Description:**

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

**Attributes:** This asset has no attributes.

**Dashboard Summary**

Function:	ES -Elementary School	Gross Area:	125,442
Year Built:	2010	Last Renovation:	
Repair Cost:	\$20,632	Replacement Value:	\$24,922,817
FCI:	0.08 %	RSLI%:	77.83 %



## 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	93.00 %	0.00 %	\$0.00
A20 - Basement Construction	93.00 %	0.00 %	\$0.00
B10 - Superstructure	93.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	84.42 %	0.00 %	\$0.00
B30 - Roofing	75.63 %	0.00 %	\$0.00
C10 - Interior Construction	78.30 %	0.00 %	\$0.00
C20 - Stairs	76.67 %	0.00 %	\$0.00
C30 - Interior Finishes	64.17 %	0.00 %	\$0.00
D20 - Plumbing	76.67 %	1.20 %	\$20,631.60
D30 - HVAC	73.82 %	0.00 %	\$0.00
D40 - Fire Protection	76.67 %	0.00 %	\$0.00
D50 - Electrical	69.07 %	0.00 %	\$0.00
E10 - Equipment	65.00 %	0.00 %	\$0.00
E20 - Furnishings	65.00 %	0.00 %	\$0.00
<b>Totals:</b>	<b>77.83 %</b>	<b>0.08 %</b>	<b>\$20,631.60</b>

## Photo Album

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

1). West Elevation - Dec 05, 2016



2). North Elevation - Dec 05, 2016



3). South Elevation - Dec 05, 2016



4). East Elevation - Dec 05, 2016



### Condition Detail

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

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

## System Listing

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

# Campus Assessment Report - 2010 Main Building

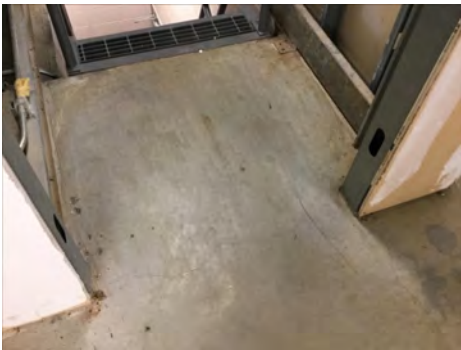
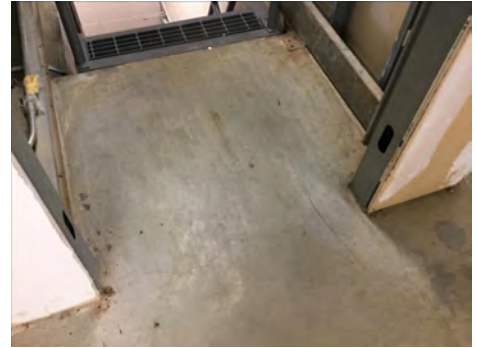
System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
A1010	Standard Foundations	\$4.70	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$589,577
A1030	Slab on Grade	\$8.26	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$1,036,151
A2010	Basement Excavation	\$1.85	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$232,068
A2020	Basement Walls	\$12.79	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$1,604,403
B1010	Floor Construction	\$1.61	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$201,962
B1020	Roof Construction	\$15.44	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$1,936,824
B2010	Exterior Walls	\$9.24	S.F.	125,442	100	2010	2110		93.00 %	0.00 %	93			\$1,159,084
B2020	Exterior Windows	\$9.20	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$1,154,066
B2030	Exterior Doors	\$1.02	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$127,951
B3010130	Preformed Metal Roofing	\$9.66	S.F.	115,442	30	2010	2040		76.67 %	0.00 %	23			\$1,115,170
B3010130	Single-Ply Membrane	\$9.66	S.F.	10,000	20	2010	2030		65.00 %	0.00 %	13			\$96,600
B3020	Roof Openings	\$0.29	S.F.	125,442	25	2010	2035		72.00 %	0.00 %	18			\$36,378
C1010	Partitions	\$10.59	S.F.	125,442	75	2010	2085		90.67 %	0.00 %	68			\$1,328,431
C1020	Interior Doors	\$2.48	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$311,096
C1030	Fittings	\$9.54	S.F.	125,442	20	2010	2030		65.00 %	0.00 %	13			\$1,196,717
C2010	Stair Construction	\$0.29	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$36,378
C3010	Wall Finishes	\$2.73	S.F.	125,442	10	2010	2020		30.00 %	0.00 %	3			\$342,457
C3020	Floor Finishes	\$11.15	S.F.	125,442	20	2010	2030		65.00 %	0.00 %	13			\$1,398,678
C3030	Ceiling Finishes	\$10.74	S.F.	125,442	25	2010	2035		72.00 %	0.00 %	18			\$1,347,247
D2010	Plumbing Fixtures	\$11.26	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$1,412,477
D2020	Domestic Water Distribution	\$0.96	S.F.	125,442	30	2010	2040		76.67 %	17.13 %	23		\$20,631.60	\$120,424
D2030	Sanitary Waste	\$1.52	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$190,672
D3020	Heat Generating Systems	\$5.58	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$699,966
D3030	Cooling Generating Systems	\$9.81	S.F.	125,442	25	2010	2035		72.00 %	0.00 %	18			\$1,230,586
D3040	Distribution Systems	\$6.02	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$755,161
D3050	Terminal & Package Units	\$0.18	S.F.	125,442	15	2010	2025		53.33 %	0.00 %	8			\$22,580
D3060	Controls & Instrumentation	\$1.29	S.F.	125,442	20	2010	2030		65.00 %	0.00 %	13			\$161,820
D4010	Sprinklers	\$4.22	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$529,365
D4020	Standpipes	\$0.66	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$82,792
D5010	Electrical Service/Distribution	\$1.65	S.F.	125,442	40	2010	2050		82.50 %	0.00 %	33			\$206,979
D5020	Branch Wiring	\$4.99	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$625,956
D5020	Lighting	\$11.64	S.F.	125,442	30	2010	2040		76.67 %	0.00 %	23			\$1,460,145
D5030810	Security & Detection Systems	\$1.83	S.F.	125,442	15	2010	2025		53.33 %	0.00 %	8			\$229,559
D5030910	Fire Alarm Systems	\$3.31	S.F.	125,442	15	2010	2025		53.33 %	0.00 %	8			\$415,213
D5030920	Data Communication	\$4.30	S.F.	125,442	15	2010	2025		53.33 %	0.00 %	8			\$539,401
E1020	Institutional Equipment	\$0.30	S.F.	125,442	20	2010	2030		65.00 %	0.00 %	13			\$37,633
E1090	Other Equipment	\$1.86	S.F.	125,442	20	2010	2030		65.00 %	0.00 %	13			\$233,322
E2010	Fixed Furnishings	\$5.72	S.F.	125,442	20	2010	2030		65.00 %	0.00 %	13			\$717,528
<b>Total</b>									<b>77.83 %</b>	<b>0.08 %</b>			<b>\$20,631.60</b>	<b>\$24,922,817</b>



## System Notes

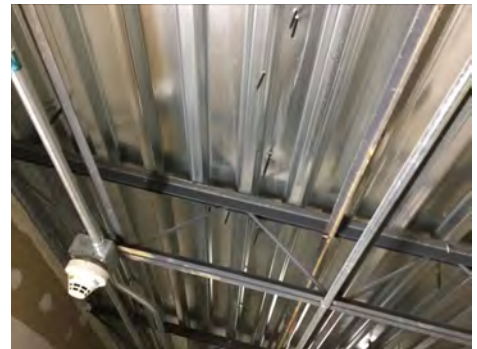
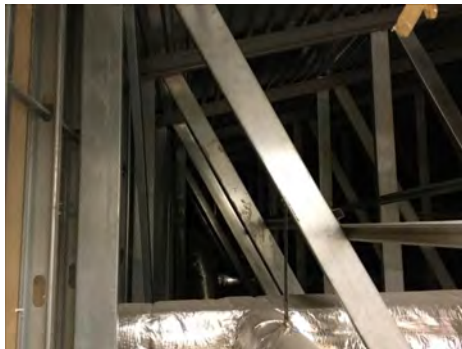
The facility description in the executive summary contains an overview of each system. The photos of each system and any associated notes listed below provide additional information on select systems found within the facility:

**System:** B1010 - Floor Construction



**Note:**

**System:** B1020 - Roof Construction



**Note:**

## Campus Assessment Report - 2010 Main Building

**System:** B2010 - Exterior Walls



**Note:**

**System:** B2020 - Exterior Windows



**Note:**

**System:** B2030 - Exterior Doors



**Note:**

## Campus Assessment Report - 2010 Main Building

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**System:** B3010130 - Preformed Metal Roofing



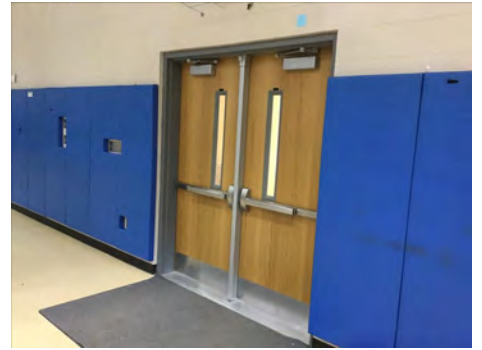
**Note:**

**System:** C1010 - Partitions



**Note:**

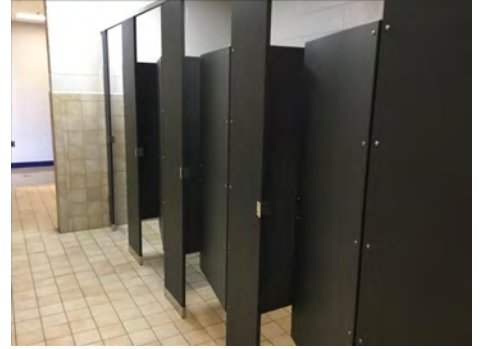
**System:** C1020 - Interior Doors



**Note:**

## Campus Assessment Report - 2010 Main Building

**System:** C1030 - Fittings



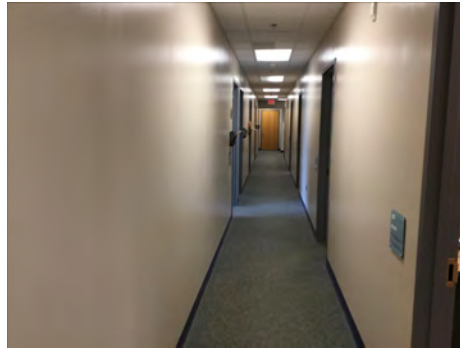
**Note:**

**System:** C2010 - Stair Construction



**Note:**

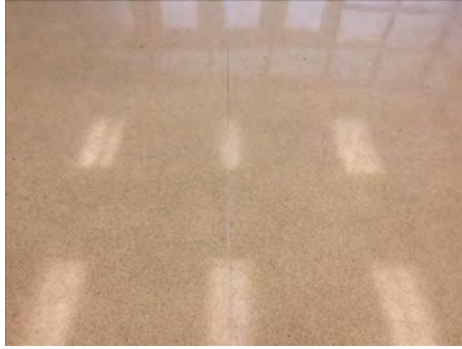
**System:** C3010 - Wall Finishes



**Note:**

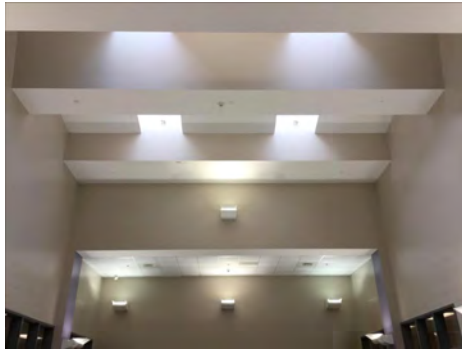
## Campus Assessment Report - 2010 Main Building

**System:** C3020 - Floor Finishes



**Note:**

**System:** C3030 - Ceiling Finishes



**Note:**

**System:** D2010 - Plumbing Fixtures



**Note:**

## Campus Assessment Report - 2010 Main Building

**System:** D2020 - Domestic Water Distribution



**Note:** 4 - water heaters are at the end of there life cycle.

**System:** D2030 - Sanitary Waste



**Note:**

**System:** D3020 - Heat Generating Systems



**Note:**

# Campus Assessment Report - 2010 Main Building

**System:** D3030 - Cooling Generating Systems



**Note:**

**System:** D3040 - Distribution Systems



**Note:**

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



**Note:**

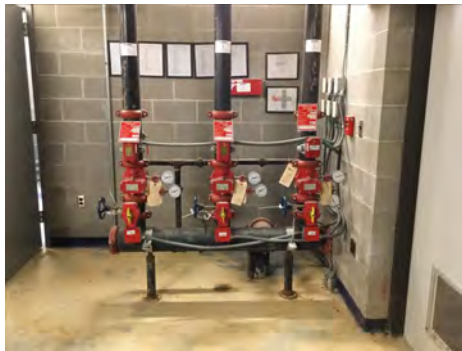
## Campus Assessment Report - 2010 Main Building

**System:** D3060 - Controls & Instrumentation



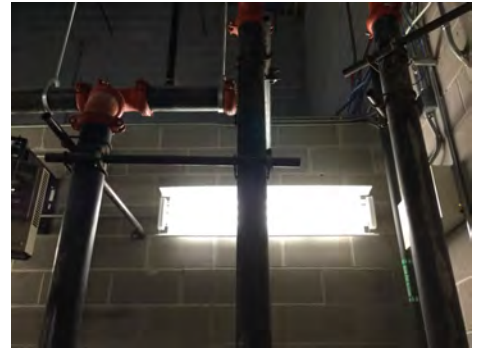
**Note:**

**System:** D4010 - Sprinklers



**Note:**

**System:** D4020 - Standpipes



**Note:**



## Campus Assessment Report - 2010 Main Building

---

**System:** D5010 - Electrical Service/Distribution



**Note:**

---

**System:** D5020 - Branch Wiring



**Note:**

---

**System:** D5020 - Lighting



**Note:**

## Campus Assessment Report - 2010 Main Building

**System:** D5030810 - Security & Detection Systems



**Note:**

**System:** D5030910 - Fire Alarm Systems



**Note:**

**System:** D5030920 - Data Communication



**Note:**

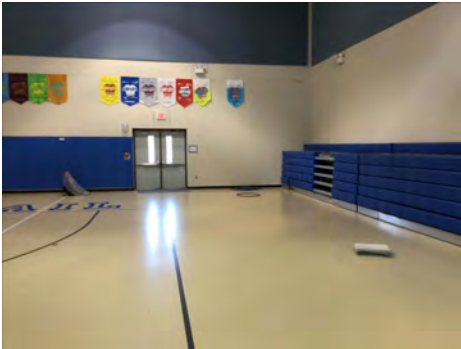
## Campus Assessment Report - 2010 Main Building

**System:** E1020 - Institutional Equipment



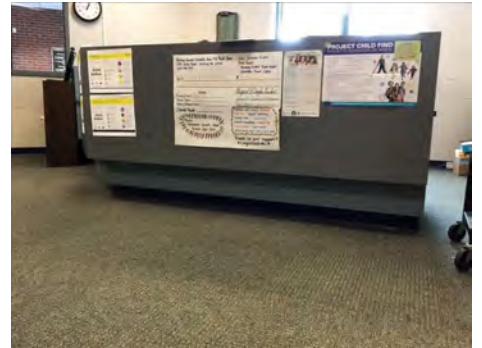
**Note:**

**System:** E1090 - Other Equipment



**Note:**

**System:** E2010 - Fixed Furnishings



**Note:**

## Renewal Schedule

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

*Inflation Rate: 3%*

System	Current Deficiencies	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
<b>Total:</b>	<b>\$20,632</b>	<b>\$0</b>	<b>\$0</b>	<b>\$411,632</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,681,546</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,113,810</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>* B1010 - Floor Construction</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>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B2020 - Exterior Windows</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B2030 - Exterior Doors</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B30 - Roofing</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3010 - Roof Coverings</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3010130 - Preformed Metal Roofing</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3010130 - Single-Ply Membrane</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3020 - Roof Openings</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<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

## Campus Assessment Report - 2010 Main Building

C20 - Stairs	\$0	\$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	\$0
C30 - Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010 - Wall Finishes	\$0	\$0	\$0	\$411,632	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$411,632
C3020 - Floor Finishes	\$0	\$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	\$0
D - Services	\$0	\$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	\$0
D2010 - Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2020 - Domestic Water Distribution	\$20,632	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,632
D2030 - Sanitary Waste	\$0	\$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	\$0
D3020 - Heat Generating Systems	\$0	\$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	\$0
D3040 - Distribution Systems	\$0	\$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	\$31,464	\$0	\$0	\$31,464
D3060 - Controls & Instrumentation	\$0	\$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	\$0
D4010 - Sprinklers	\$0	\$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	\$0
D50 - Electrical	\$0	\$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	\$0
D5020 - Branch Wiring	\$0	\$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	\$0
D5030 - Communications and Security	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5030810 - Security & Detection Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$319,878	\$0	\$0	\$319,878
D5030910 - Fire Alarm Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$578,577	\$0	\$0	\$578,577
D5030920 - Data Communication	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$751,627	\$0	\$0	\$751,627
E - Equipment & Furnishings	\$0	\$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	\$0
E1020 - Institutional Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E1090 - Other Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E20 - Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

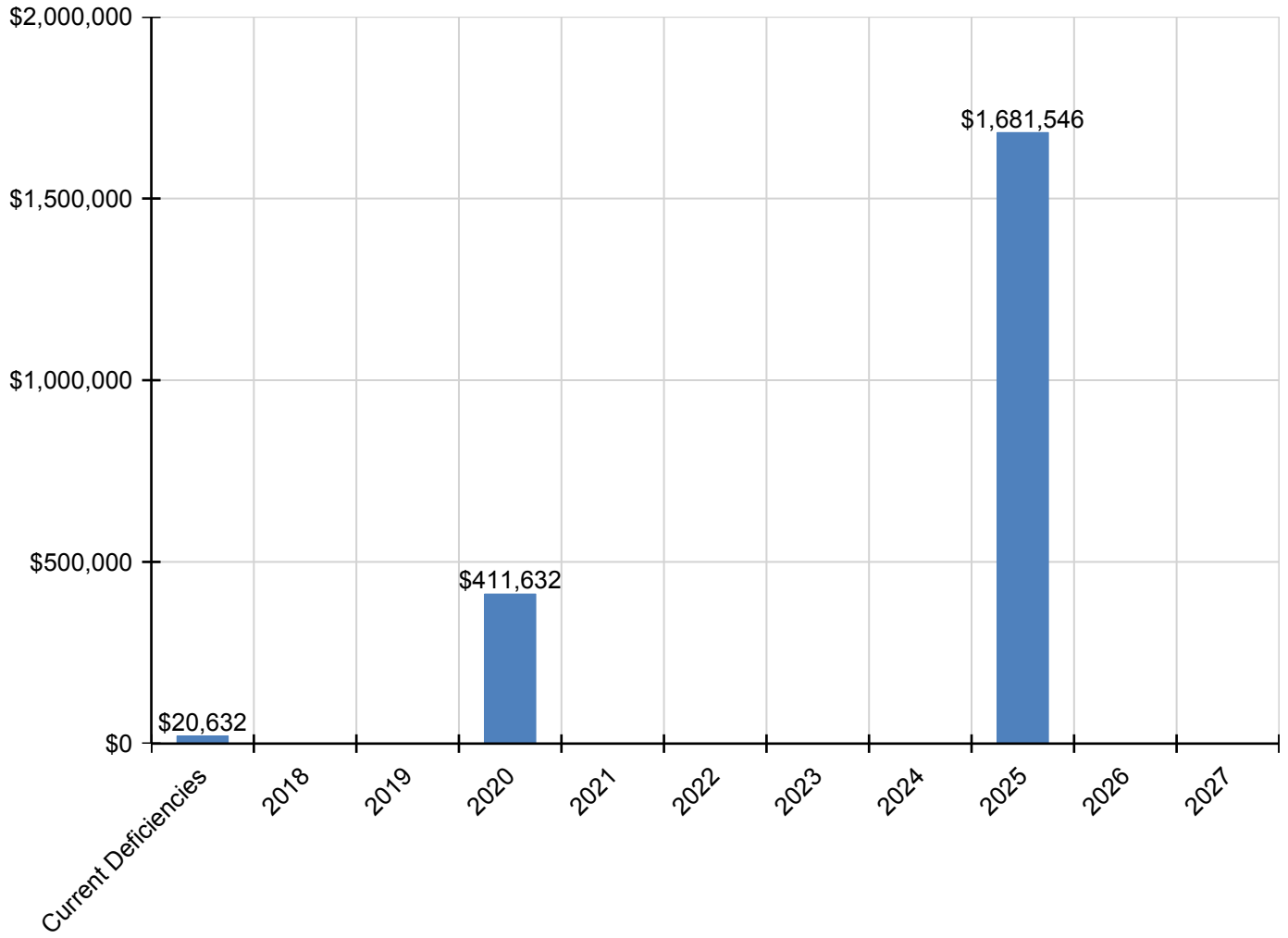
## Campus Assessment Report - 2010 Main Building

E2010 - Fixed Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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*\* Indicates non-renewable system*

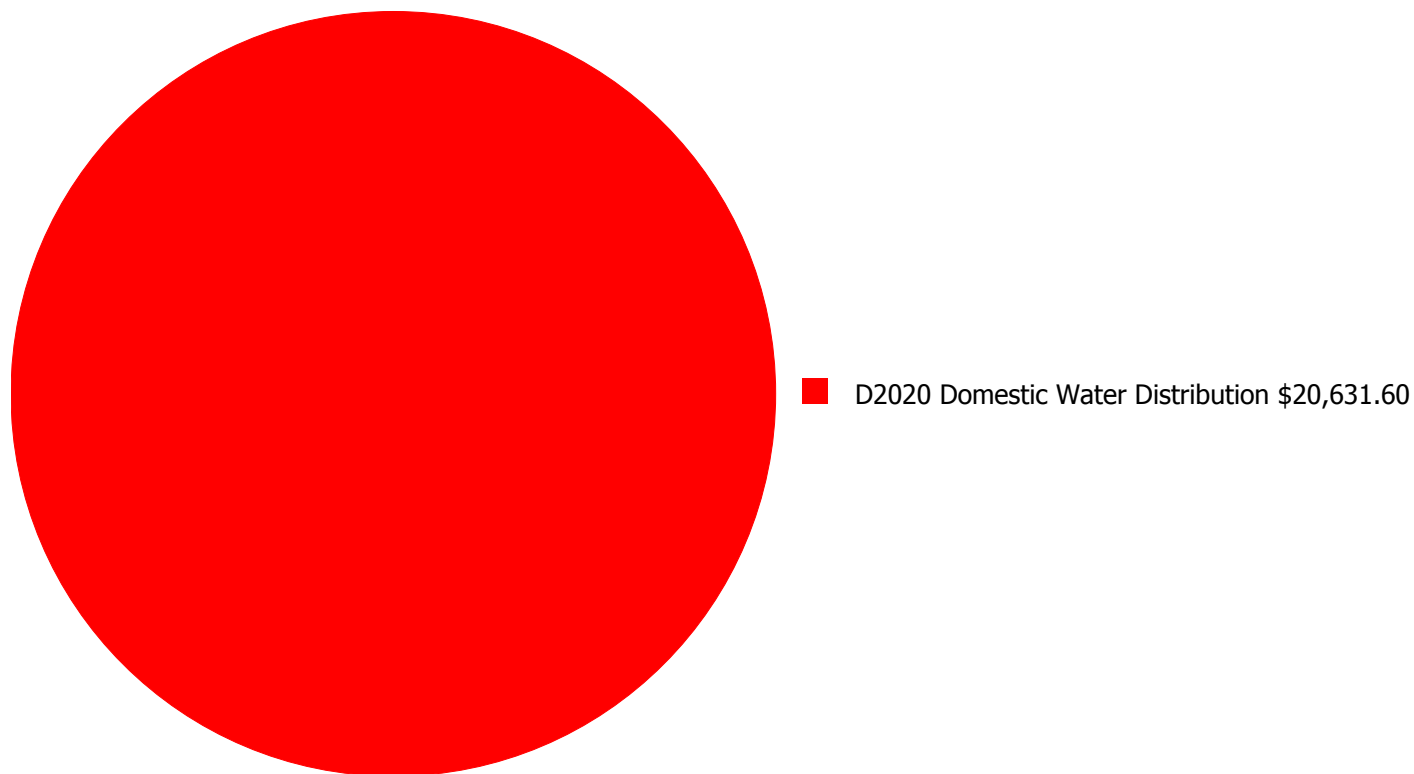
## Forecasted Capital Renewal Requirement

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



## Deficiency Summary by System

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

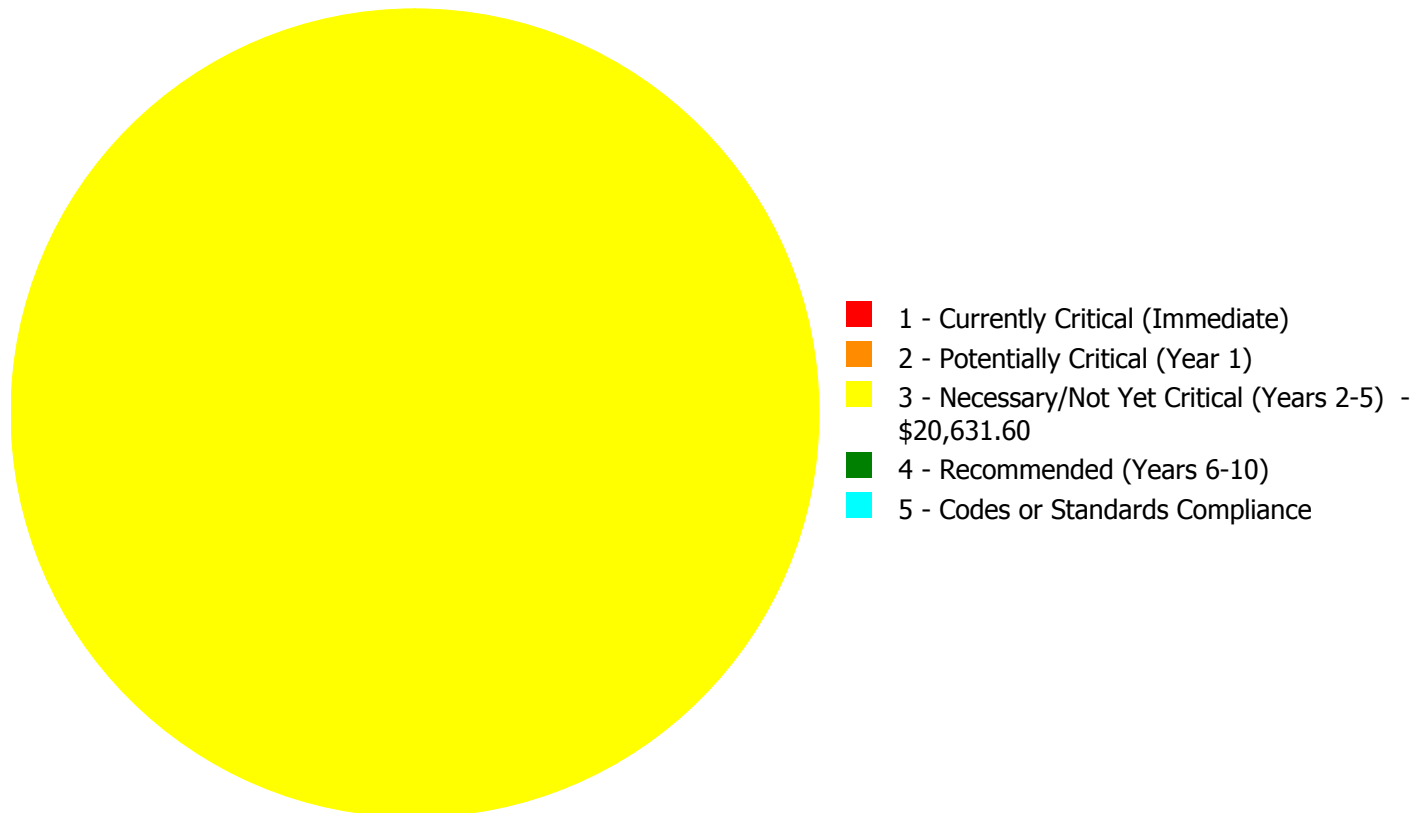


**Budget Estimate Total: \$20,631.60**



## 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: \$20,631.60**

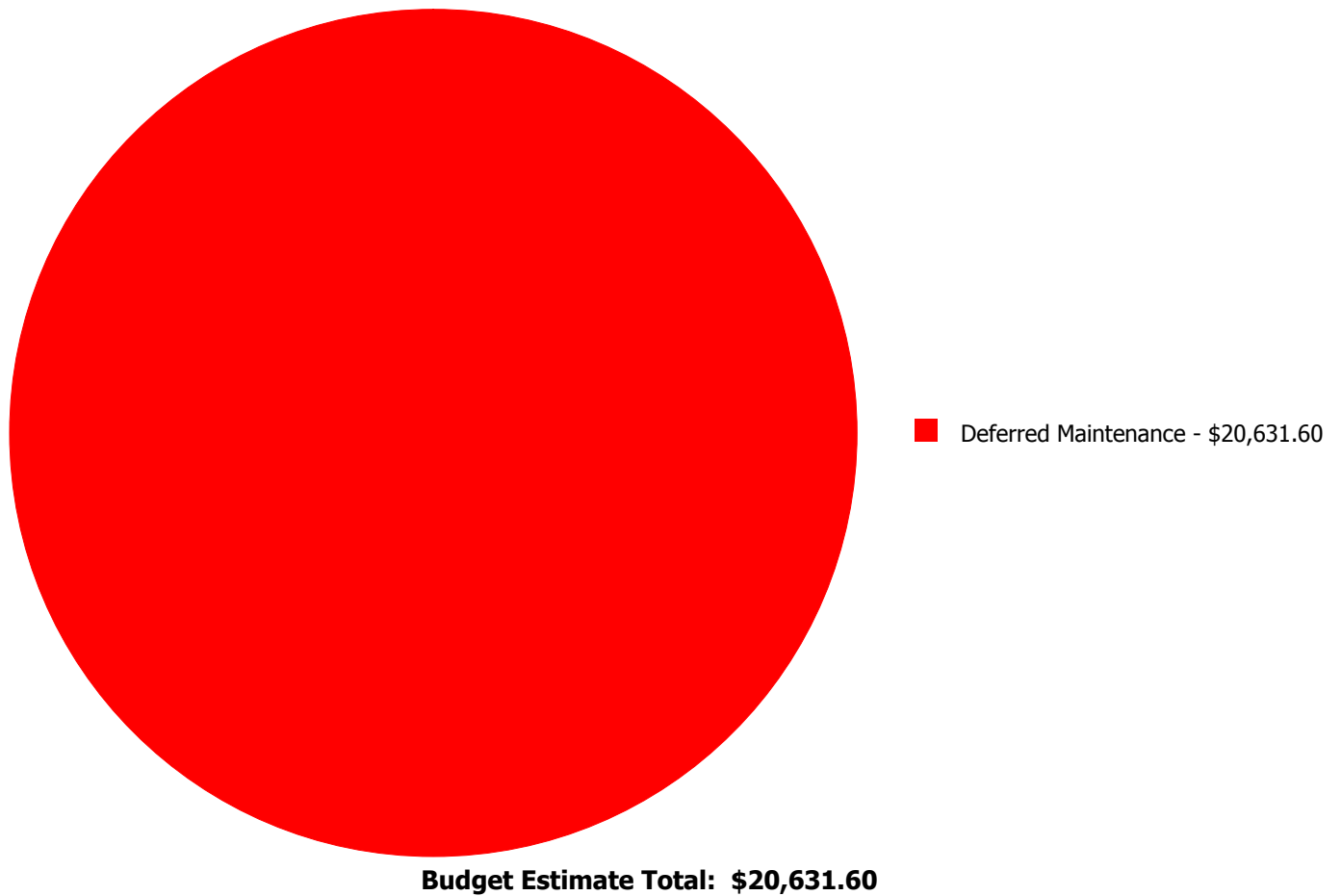
## Deficiency By Priority Investment Table

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

System Code	System Description	1 - Currently Critical (Immediate)	2 - Potentially Critical (Year 1)	3 - Necessary/Not Yet Critical (Years 2-5)	4 - Recommended (Years 6-10)	5 - Codes or Standards Compliance	Total
D2020	Domestic Water Distribution	\$0.00	\$0.00	\$20,631.60	\$0.00	\$0.00	\$20,631.60
	<b>Total:</b>	\$0.00	\$0.00	\$20,631.60	\$0.00	\$0.00	\$20,631.60

## Deficiency Summary by Category

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

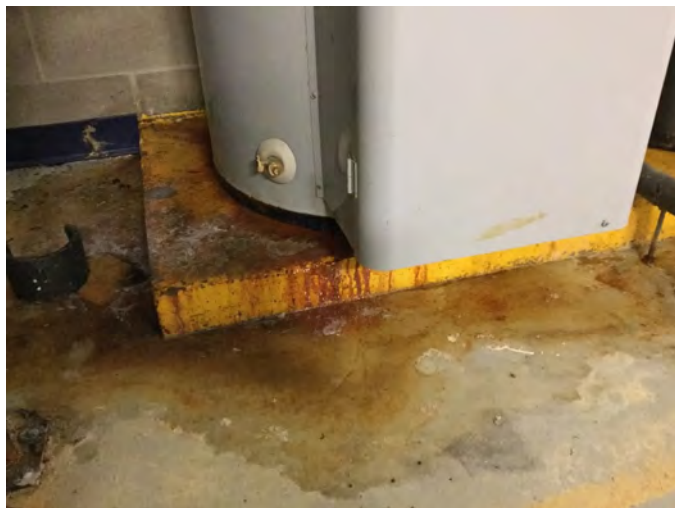


## Deficiency Details by Priority

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

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

#### System: D2020 - Domestic Water Distribution



**Location:** Mechanical Room  
**Distress:** Beyond Service Life  
**Category:** Deferred Maintenance  
**Priority:** 3 - Necessary/Not Yet Critical (Years 2-5)  
**Correction:** Replace water heater, gas / oil, 70 gallon  
**Qty:** 2.00  
**Unit of Measure:** Ea.  
**Estimate:** \$20,631.60  
**Assessor Name:** Terence Davis  
**Date Created:** 12/13/2016

**Notes:** The water heaters are leaking and need to be replaced.

---

**Executive Summary**

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

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

Function:	ES -Elementary School
Gross Area (SF):	550
Year Built:	2010
Last Renovation:	
Replacement Value:	\$78,449
Repair Cost:	\$0.00
Total FCI:	0.00 %
Total RSLI:	84.22 %
FCA Score:	100.00



**Description:**

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

**Attributes:** This asset has no attributes.

## Dashboard Summary

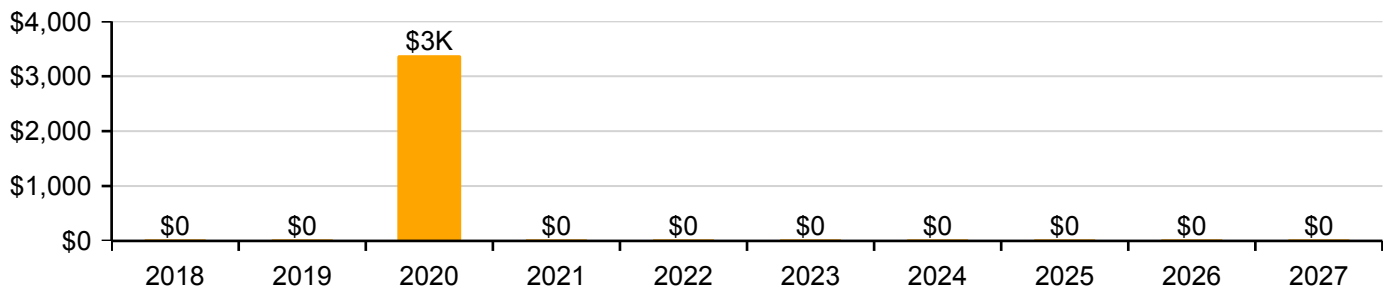
Function:	ES -Elementary School	Gross Area:	550
Year Built:	2010	Last Renovation:	
Repair Cost:	\$0	Replacement Value:	\$78,449
FCI:	0.00 %	RSLI%:	84.22 %

No data found for this asset

No data found for this asset

No data found for this asset

**10 Year Investment Forecast**



## Condition Summary

The Table below shows the RSLI and FCI for each major building system shown at the UNIFORMAT 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	93.00 %	0.00 %	\$0.00
B10 - Superstructure	93.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	89.32 %	0.00 %	\$0.00
B30 - Roofing	76.67 %	0.00 %	\$0.00
C30 - Interior Finishes	63.01 %	0.00 %	\$0.00
D30 - HVAC	76.67 %	0.00 %	\$0.00
D50 - Electrical	76.67 %	0.00 %	\$0.00
<b>Totals:</b>	<b>84.22 %</b>	<b>0.00 %</b>	<b>\$0.00</b>

## Photo Album

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

1). West Elevation - Dec 05, 2016



2). South Elevation - Dec 05, 2016



3). East Elevation - Dec 05, 2016



4). North Elevation - Dec 05, 2016





### Condition Detail

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

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

## System Listing

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

System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
A1010	Standard Foundations	\$20.13	S.F.	550	100	2010	2110		93.00 %	0.00 %	93			\$11,072
A1030	Slab on Grade	\$19.75	S.F.	550	100	2010	2110		93.00 %	0.00 %	93			\$10,863
B1020	Roof Construction	\$16.26	S.F.	550	100	2010	2110		93.00 %	0.00 %	93			\$8,943
B2010	Exterior Walls	\$29.79	S.F.	550	100	2010	2110		93.00 %	0.00 %	93			\$16,385
B2030	Exterior Doors	\$8.66	S.F.	550	30	2010	2040		76.67 %	0.00 %	23			\$4,763
B3010130	Preformed Metal Roofing	\$9.66	S.F.	550	30	2010	2040		76.67 %	0.00 %	23			\$5,313
C3010	Wall Finishes	\$5.11	S.F.	550	10	2010	2020		30.00 %	0.00 %	3			\$2,811
C3030	Ceiling Finishes	\$18.76	S.F.	550	25	2010	2035		72.00 %	0.00 %	18			\$10,318
D3040	Distribution Systems	\$1.35	S.F.	550	30	2010	2040		76.67 %	0.00 %	23			\$743
D5020	Branch Wiring	\$3.58	S.F.	550	30	2010	2040		76.67 %	0.00 %	23			\$1,969
D5020	Lighting	\$9.58	S.F.	550	30	2010	2040		76.67 %	0.00 %	23			\$5,269
<b>Total</b>									<b>84.22 %</b>					<b>\$78,449</b>

## System Notes

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

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**System:** B2010 - Exterior Walls



**Note:**

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**System:** B2030 - Exterior Doors



**Note:**

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**System:** B3010130 - Preformed Metal Roofing

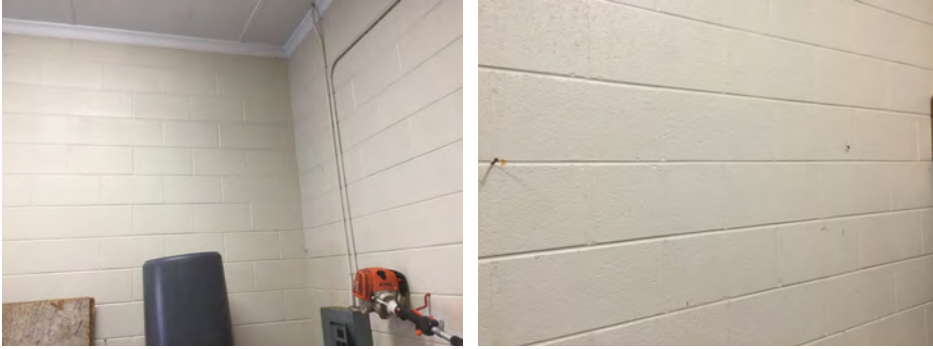


**Note:**

## Campus Assessment Report - 2010 Storage

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**System:** C3010 - Wall Finishes



**Note:**

**System:** C3030 - Ceiling Finishes



**Note:**

**System:** D3040 - Distribution Systems



**Note:**

## Campus Assessment Report - 2010 Storage

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**System:** D5020 - Branch Wiring



**Note:**

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**System:** D5020 - Lighting



**Note:**

## Renewal Schedule

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

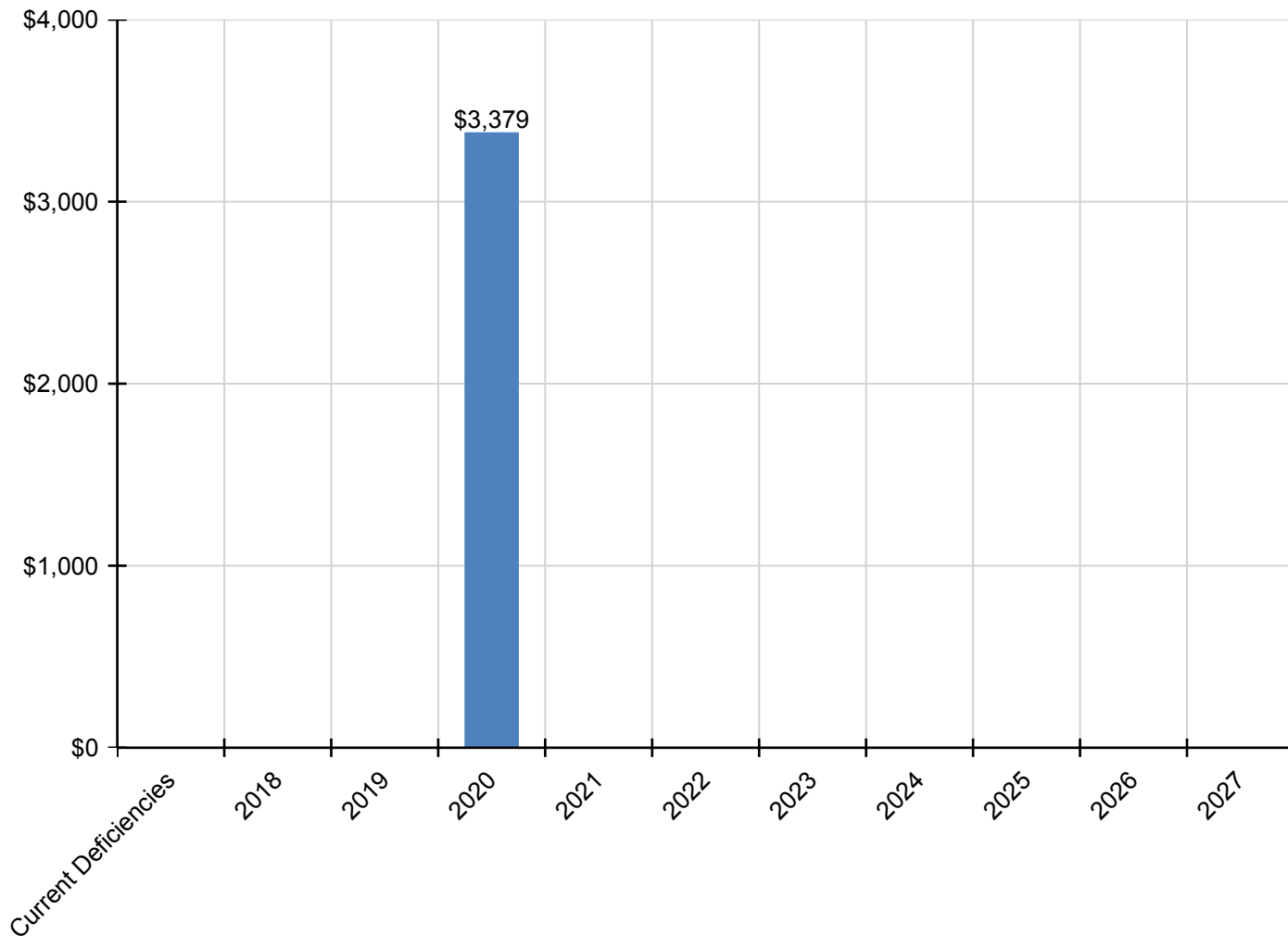
*Inflation Rate: 3%*

System	Current Deficiencies	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
<b>Total:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,379</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,379</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>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>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B2030 - Exterior Doors</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B30 - Roofing</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3010 - Roof Coverings</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3010130 - Preformed Metal Roofing</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C - Interiors</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	\$3,379	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,379
<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>D30 - HVAC</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D3040 - Distribution Systems</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>D5020 - Branch Wiring</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D5020 - Lighting</b>	\$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 forecasting capital renewal or sustainment requirements over the next ten years.



## Deficiency Summary by System

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

No data found for this asset



## Deficiency Summary by Priority

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

No data found for this asset

## Deficiency By Priority Investment Table

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

No data found for this asset

## Deficiency Summary by Category

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

No data found for this asset

## Deficiency Details by Priority

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

No data found for this asset

**Executive Summary**

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:	ES -Elementary School
Gross Area (SF):	125,992
Year Built:	2010
Last Renovation:	
Replacement Value:	\$3,802,438
Repair Cost:	\$170,467.00
Total FCI:	4.48 %
Total RSLI:	72.15 %
FCA Score:	95.52



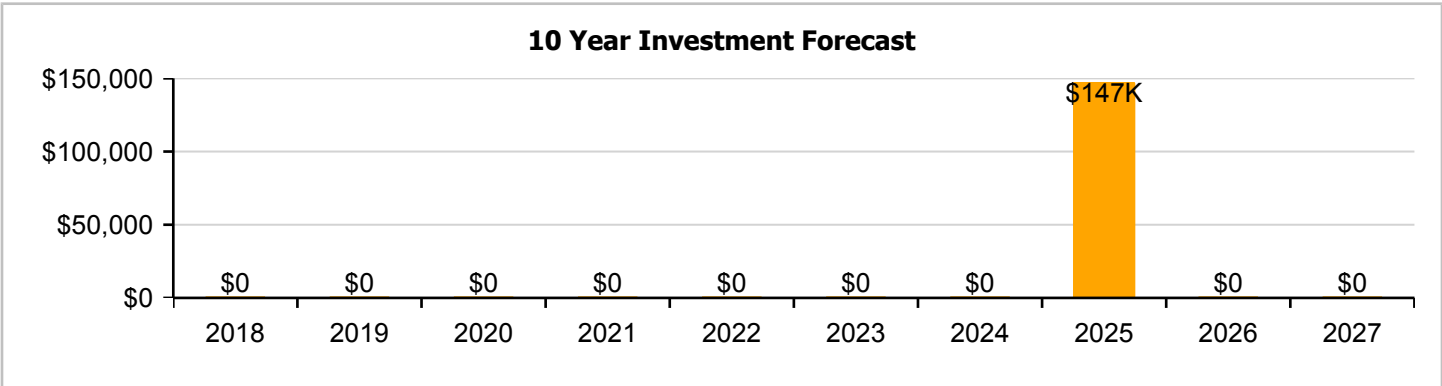
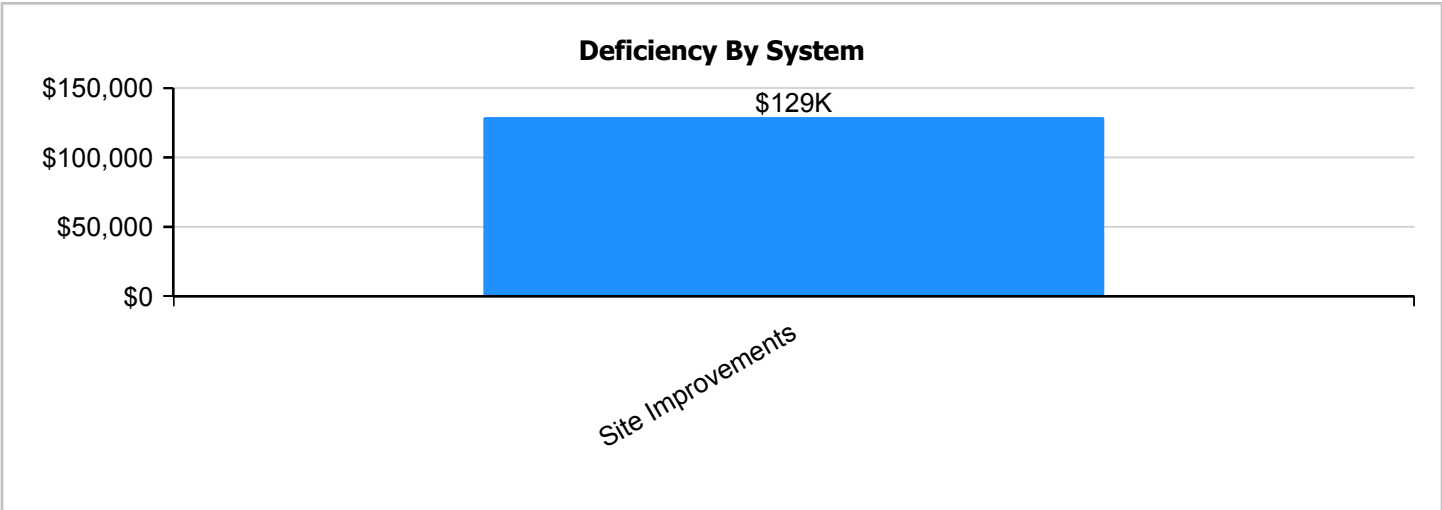
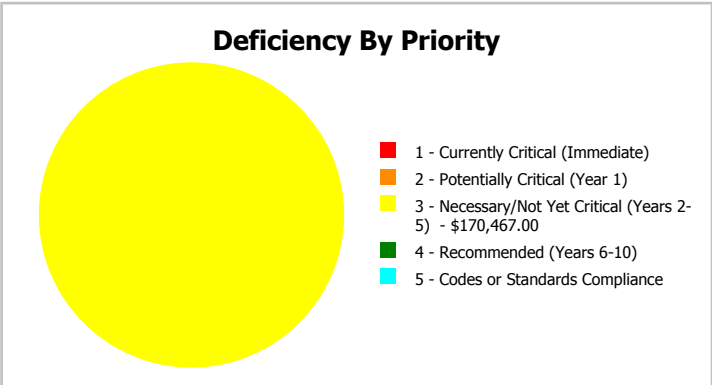
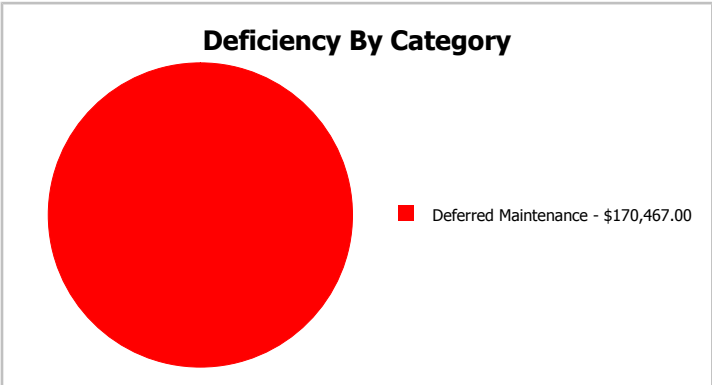
**Description:**

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

**Attributes:** This asset has no attributes.

**Dashboard Summary**

Function:	ES -Elementary School	Gross Area:	125,992
Year Built:	2010	Last Renovation:	
Repair Cost:	\$170,467	Replacement Value:	\$3,802,438
FCI:	4.48 %	RSLI%:	72.15 %



## 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	62.97 %	8.35 %	\$170,467.00
G30 - Site Mechanical Utilities	85.63 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	77.17 %	0.00 %	\$0.00
<b>Totals:</b>	<b>72.15 %</b>	<b>4.48 %</b>	<b>\$170,467.00</b>

## Photo Album

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

- 1). Aerial Image of Boone Trail Elementary School - Nov 17, 2016





### Condition Detail

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

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

## System Listing

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

System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
G2010	Roadways	\$3.81	S.F.	125,992	25	2010	2035		72.00 %	0.00 %	18			\$480,030
G2020	Parking Lots	\$1.33	S.F.	125,992	25	2010	2035		72.00 %	0.00 %	18			\$167,569
G2030	Pedestrian Paving	\$1.91	S.F.	125,992	30	2010	2040		76.67 %	0.00 %	23			\$240,645
G2040105	Fence & Guardrails	\$1.23	S.F.	125,992	30	2010	2040	2016	0.00 %	110.00 %	-1		\$170,467.00	\$154,970
G2040950	Covered Walkways	\$1.52	S.F.	125,992	25	2010	2035		72.00 %	0.00 %	18			\$191,508
G2040950	Playing Field	\$4.54	S.F.	125,992	20	2010	2030		65.00 %	0.00 %	13			\$572,004
G2050	Landscaping	\$1.87	S.F.	125,992	15	2010	2025		53.33 %	0.00 %	8			\$235,605
G3010	Water Supply	\$2.34	S.F.	125,992	50	2010	2060		86.00 %	0.00 %	43			\$294,821
G3020	Sanitary Sewer	\$1.45	S.F.	125,992	50	2010	2060		86.00 %	0.00 %	43			\$182,688
G3030	Storm Sewer	\$4.54	S.F.	125,992	50	2010	2060		86.00 %	0.00 %	43			\$572,004
G3060	Fuel Distribution	\$0.98	S.F.	125,992	40	2010	2050		82.50 %	0.00 %	33			\$123,472
G4010	Electrical Distribution	\$2.35	S.F.	125,992	50	2010	2060		86.00 %	0.00 %	43			\$296,081
G4020	Site Lighting	\$1.47	S.F.	125,992	30	2010	2040		76.67 %	0.00 %	23			\$185,208
G4030	Site Communications & Security	\$0.84	S.F.	125,992	15	2010	2025		53.33 %	0.00 %	8			\$105,833
<b>Total</b>									<b>72.15 %</b>	<b>4.48 %</b>			<b>\$170,467.00</b>	<b>\$3,802,438</b>

## System Notes

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

**System:** G2010 - Roadways



**Note:**

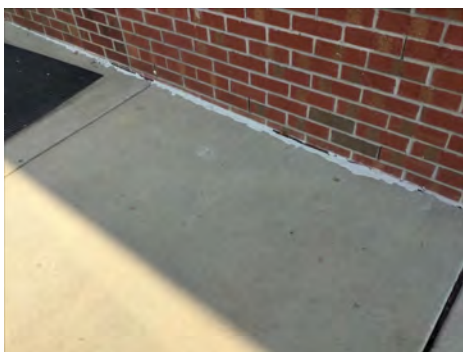
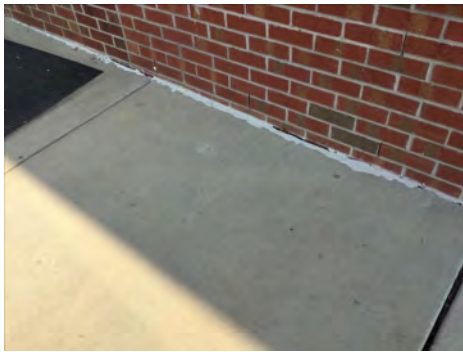
# Campus Assessment Report - Site

**System:** G2020 - Parking Lots



**Note:**

**System:** G2030 - Pedestrian Paving



**Note:**

## Campus Assessment Report - Site

**System:** G2040105 - Fence & Guardrails



**Note:**

**System:** G2040950 - Covered Walkways



**Note:**

**System:** G2040950 - Playing Field



**Note:**

# Campus Assessment Report - Site

**System:** G2050 - Landscaping



**Note:**

# Campus Assessment Report - Site

**System:** G3010 - Water Supply



**Note:**

**System:** G3020 - Sanitary Sewer



**Note:**

# Campus Assessment Report - Site

**System:** G3030 - Storm Sewer



**Note:**

**System:** G3060 - Fuel Distribution



**Note:**



## Campus Assessment Report - Site

**System:** G4010 - Electrical Distribution



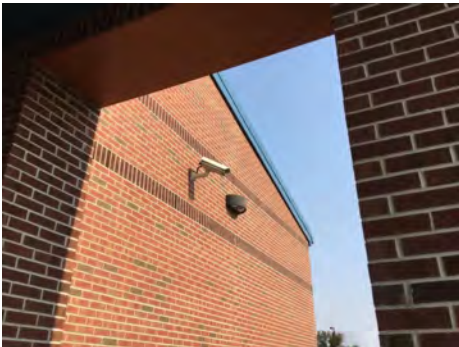
**Note:**

**System:** G4020 - Site Lighting



**Note:** Wind causes light fixture screws to loosen and light bulbs fall out.

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



**Note:**

## Renewal Schedule

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

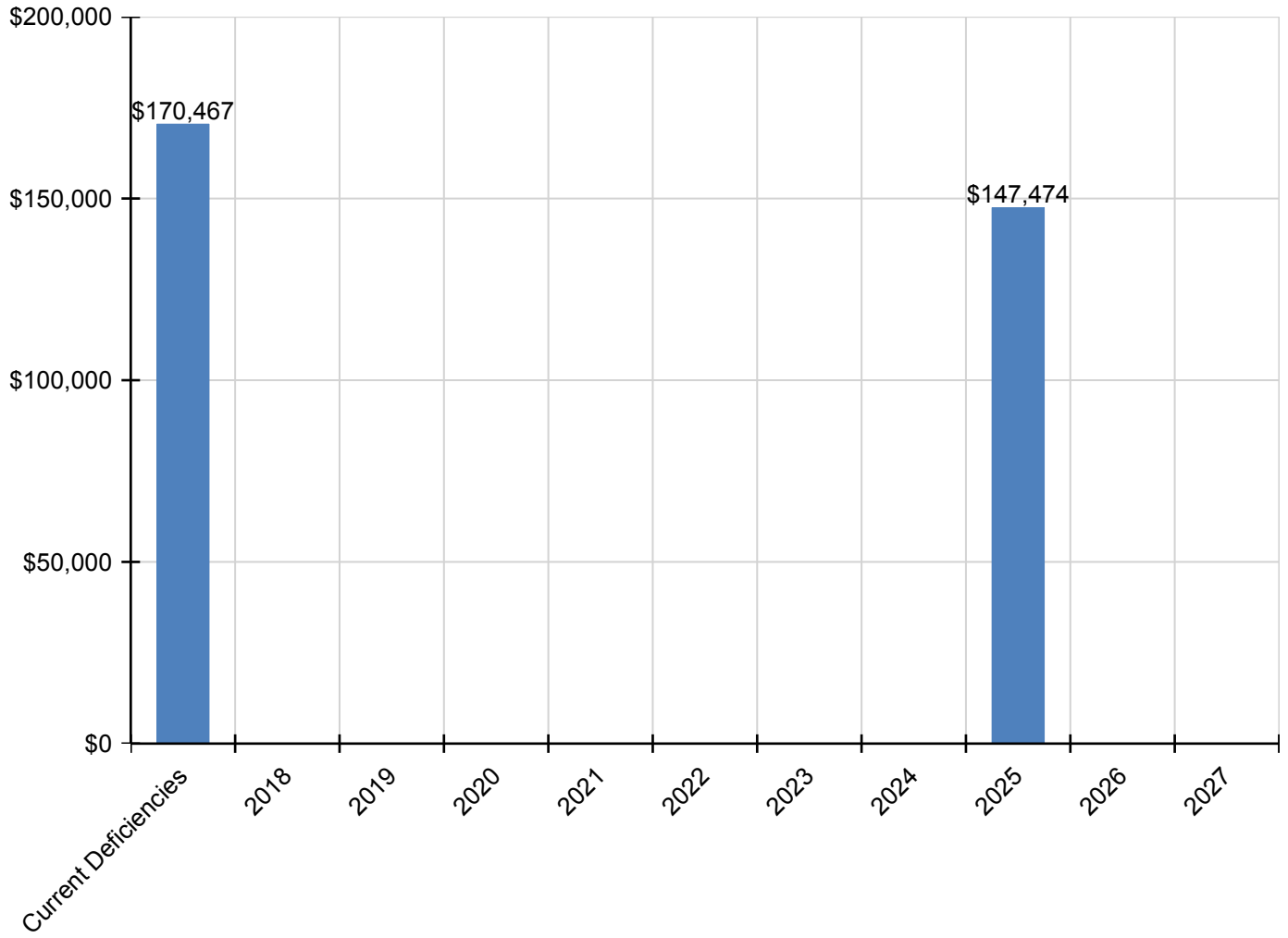
*Inflation Rate: 3%*

System	Current Deficiencies	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
<b>Total:</b>	<b>\$170,467</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$147,474</b>	<b>\$0</b>	<b>\$0</b>	<b>\$317,941</b>
<b>G - Building Sitework</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G20 - Site Improvements</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G2010 - Roadways</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G2020 - Parking Lots</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G2030 - Pedestrian Paving</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G2040 - Site Development</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G2040105 - Fence &amp; Guardrails</b>	\$170,467	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$170,467
<b>G2040950 - Covered Walkways</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G2040950 - Playing Field</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* G2050 - Landscaping</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G30 - Site Mechanical Utilities</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G3010 - Water Supply</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G3020 - Sanitary Sewer</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G3030 - Storm Sewer</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G3060 - Fuel Distribution</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G40 - Site Electrical Utilities</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G4010 - Electrical Distribution</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G4020 - Site Lighting</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>G4030 - Site Communications &amp; Security</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$147,474	\$0	\$0	\$147,474

*\* Indicates non-renewable system*

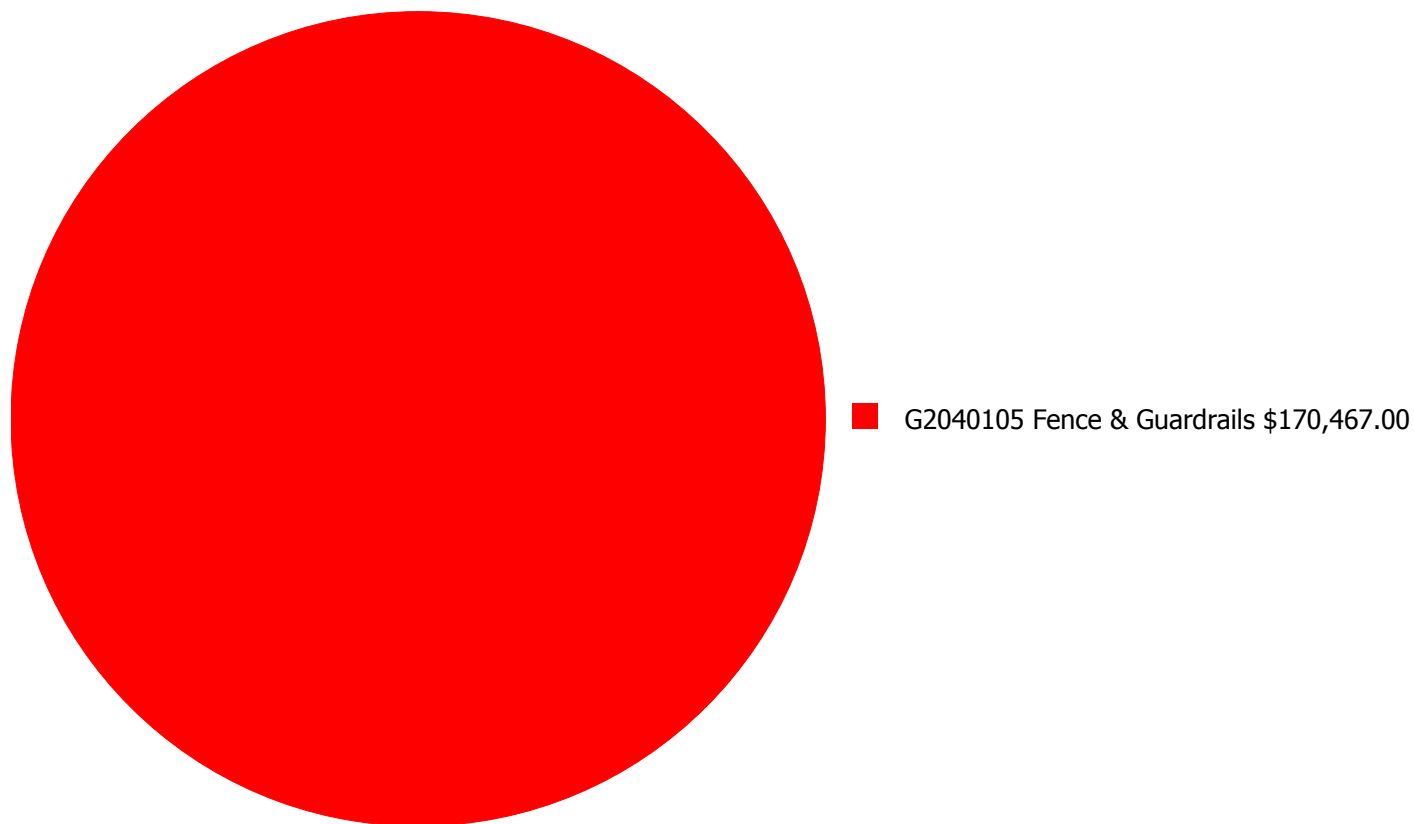
## Forecasted Capital Renewal Requirement

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



## Deficiency Summary by System

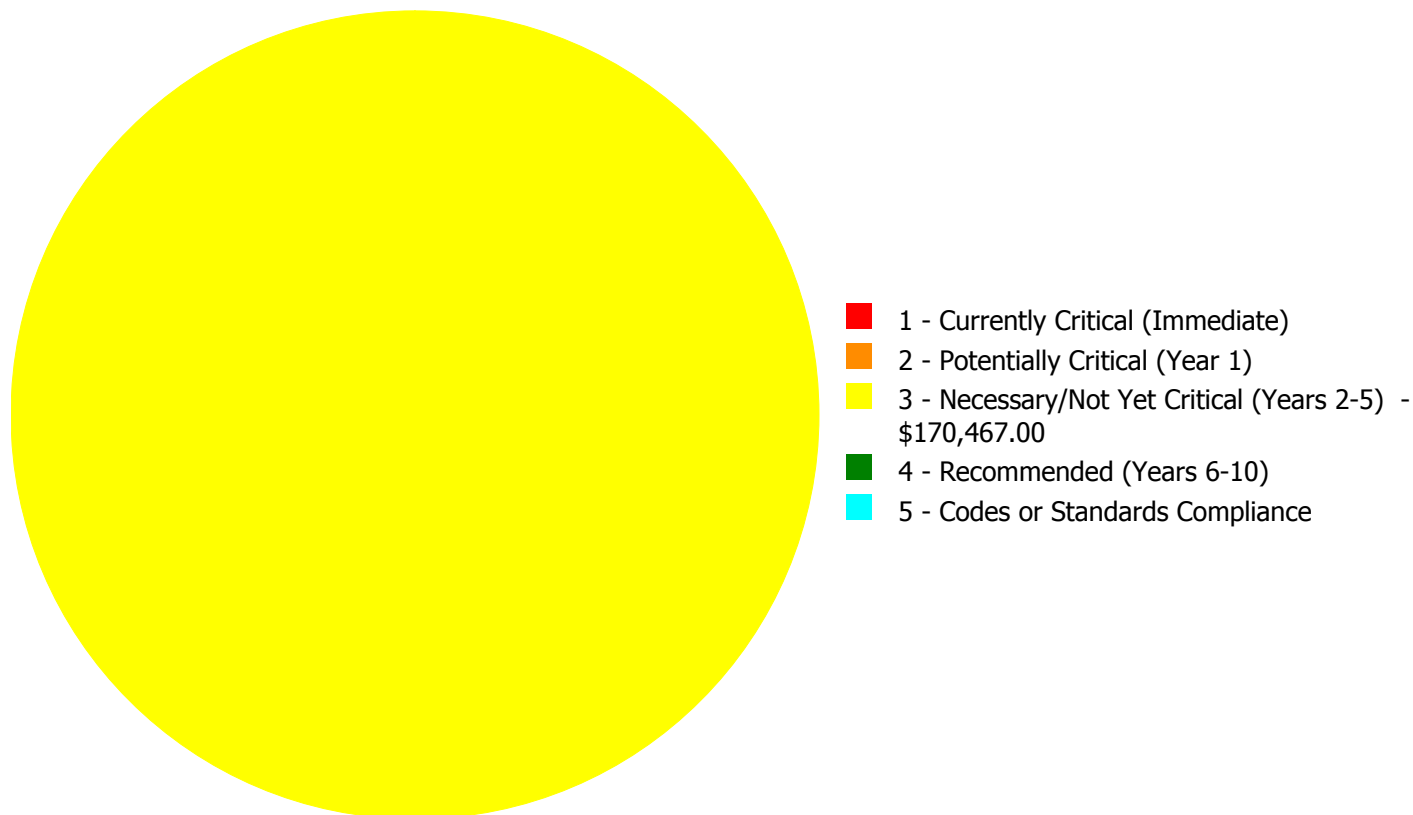
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart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



**Budget Estimate Total: \$170,467.00**

## 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:



**Budget Estimate Total: \$170,467.00**

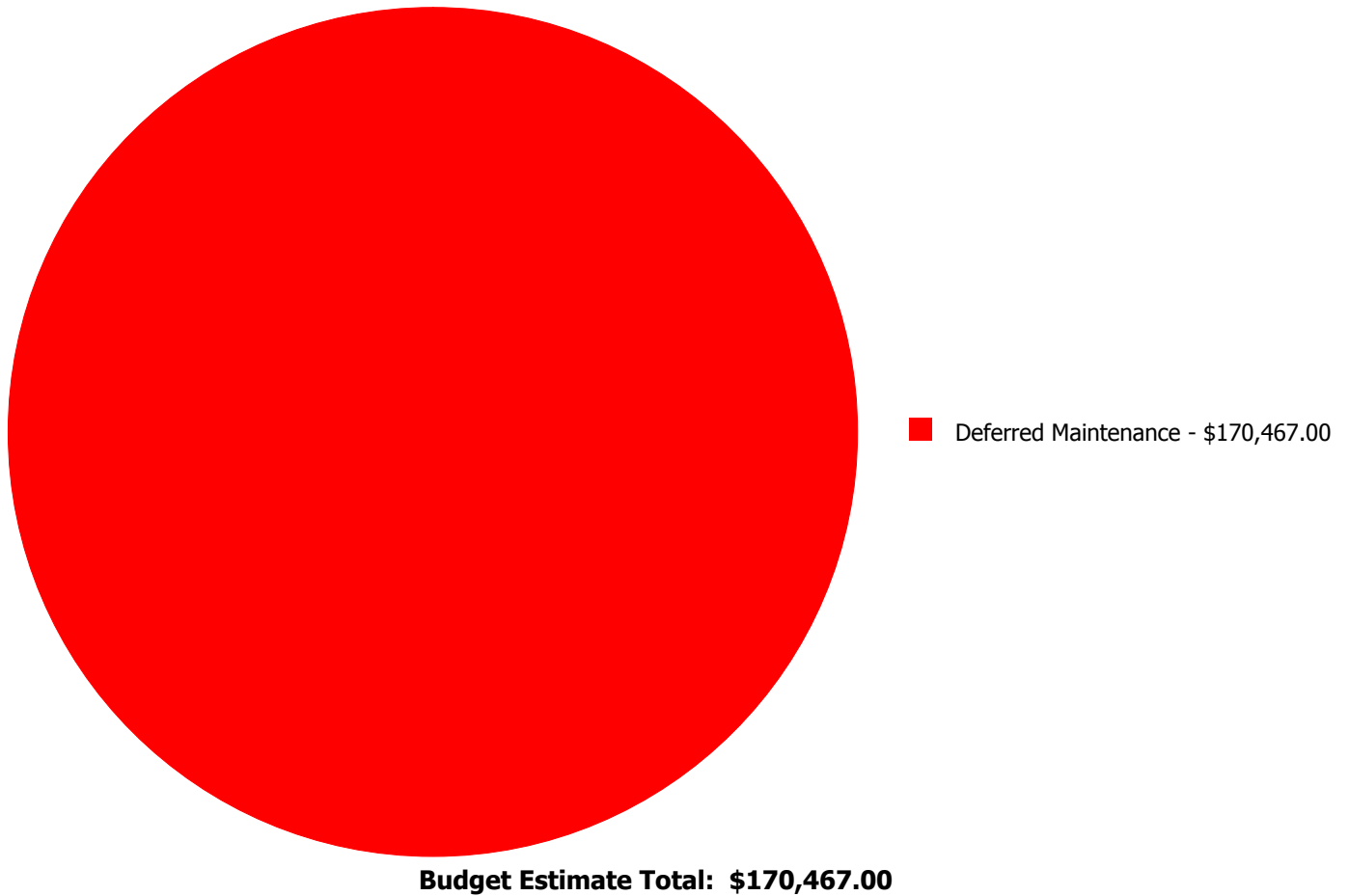
## Deficiency By Priority Investment Table

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

System Code	System Description	1 - Currently Critical (Immediate)	2 - Potentially Critical (Year 1)	3 - Necessary/Not Yet Critical (Years 2-5)	4 - Recommended (Years 6-10)	5 - Codes or Standards Compliance	Total
G2040105	Fence & Guardrails	\$0.00	\$0.00	\$170,467.00	\$0.00	\$0.00	\$170,467.00
	<b>Total:</b>	\$0.00	\$0.00	\$170,467.00	\$0.00	\$0.00	\$170,467.00

## Deficiency Summary by Category

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



## Deficiency Details by Priority

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

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

#### System: G2040105 - Fence & Guardrails



**Location:** Site  
**Distress:** Damaged  
**Category:** Deferred Maintenance  
**Priority:** 3 - Necessary/Not Yet Critical (Years 2-5)  
**Correction:** Renew System  
**Qty:** 125,992.00  
**Unit of Measure:** S.F.  
**Estimate:** \$170,467.00  
**Assessor Name:** Eduardo Lopez  
**Date Created:** 12/13/2016

**Notes:** The fence is damaged and need to be replaced.

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