

# **FACILITY CONDITION ASSESSMENT**

Barton Hills ES | February 2022





# **Executive Summary**

Barton Hills ES is located at 2108 Barton Hills Dr in Austin, Texas. The oldest building is 56 years old (at time of 2020 assessment). It comprises 38,170 gross square feet.

The findings contained within this report are the result of an assessment of building systems and the conditions found on the site at the time of the visit. The assessment was performed by building professionals experienced in disciplines including architecture, mechanical, plumbing and electrical. The total current deficiencies for this site, in 2020 construction cost dollars, are estimated at \$4,032,915. A ten-year need was developed to provide an understanding of the current need as well as the projected needs in the near future. For Barton Hills ES the ten-year need is \$8,431,437.

For master planning purposes, the total current deficiencies and the first five years of projected life cycle needs were combined to calculate a Facility Condition Assessment (FCA) score. A 5-year FCA was calculated by dividing the 5-year need by the total replacement cost. Costs associated with new construction are not included in the FCA calculation. The Barton Hills ES facility has a 5-year FCA score of 54.11%.

# **Summary of Findings**

The table below summarizes the condition findings at Barton Hills ES

Table 1: Facility Condition by Building

Number	Building Name	Current Deficiencies	5-Year Life Cycle Cost	Yrs 6-10 Life Cycle Cost	Total 5 Yr Need (Yr 1-5 + Current Defs)	Total 10 Yr Need (Yr 1-10 + Current Defs)	Replacement Cost	5-Year FCA
Exterior Si	ite							
	Exterior Site	\$1,587,439	\$11,639	\$165,742	\$1,599,078	\$1,764,820	\$0	
Permanen	t Building(s)				-	-		
103A	Main building includes Administration Offices, Classrooms, Cafeteria.	\$2,373,922	\$1,677,365	\$2,120,878	\$4,051,287	\$6,172,165	\$10,501,910	61.42%
103B	Stand-Alone Gym	\$48,074	\$76,165	\$133,953	\$124,239	\$258,192	\$1,415,875	91.23%
103C	Music Building	\$23,481	\$153,995	\$58,785	\$177,476	\$236,261	\$1,052,490	83.14%
1	Sub Total for Permanent Building(s):	\$2,445,477	\$1,907,525	\$2,313,616	\$4,353,002	\$6,666,618	\$12,970,278	
	Total for Site:	\$4,032,915	\$1,919,164	\$2,479,358	\$5,952,079	\$8,431,437	\$12,970,278	54.11%

### **Facility Condition Assessment**





# **Approach and Methodology**

A facility condition assessment evaluates each building's overall condition. Two components of the facility condition assessment are combined to total the cost for facility need. The two components of the facility condition assessment are current deficiencies and life cycle forecast.

**Current Deficiencies:** Deficiencies are items in need of repair or replacement as a result of being broken, obsolete, or beyond useful life. The existing deficiencies that currently require correction are identified and assigned a priority. An example of a current deficiency might include a broken lighting fixture or an inoperable roof top air conditioning unit.

**Life Cycle Forecast:** Life cycle analysis evaluates the ages of a building's systems to forecast system replacement as they reach the end of serviceable life. An example of a life cycle system replacement is a roof with a 20-year life that has been in place for 15 years and may require replacement in five years.

All members of the survey team recorded existing conditions, identified problems and deficiencies, and documented corrective action and quantities. The team took digital photos at each site to better identify significant deficiencies.

# **Facility Deficiency Priority Levels**

Deficiencies were ranked according to five priority levels, with Priority 1 items being the most critical to address:

**Priority 1** – **Mission Critical Concerns:** Deficiencies or conditions that may directly affect the site's ability to remain open or deliver the educational curriculum. These deficiencies typically relate to building safety, code compliance, severely damaged or failing building components, and other items that require near-term correction. An example of a Priority 1 deficiency is a fire alarm system replacement.

**Priority 2 - Indirect Impact to Educational Mission:** Items that may progress to a Priority 1 item if not addressed in the near term. Examples of Priority 2 deficiencies include inadequate roofing that could cause deterioration of integral building systems, and conditions affecting building envelopes, such as roof and window replacements.

**Priority 3 - Short-Term Conditions:** Deficiencies that are necessary to the site's mission but may not require immediate attention. These items should be considered necessary improvements required to maximize facility efficiency and usefulness. Examples of Priority 3 items include site improvements and plumbing deficiencies.

**Priority 4 - Long-Term Requirements:** Items or systems that may be considered improvements to the instructional environment. The improvements may be aesthetic or provide greater functionality. Examples include cabinets, finishes, paving, removal of abandoned equipment, and educational accommodations associated with special programs.

**Priority 5 - Enhancements:** Deficiencies aesthetic in nature or considered enhancements. Typical deficiencies in this priority include repainting, replacing carpet, improved signage, or other improvements to the facility environment.



The following table summarizes this site's current deficiencies by building system and priority.

Table 2: System by Priority (Site & Permanent Buildings)

			Priority				
System	1	2	3	4	5	Total	% of Total
Site	\$0	\$0	\$0	\$92,837	\$1,488,147	\$1,580,984	39.20 %
Roofing	\$883,286	\$0	\$0	\$0	\$0	\$883,286	21.90 %
Structural	\$6,455	\$0	\$0	\$0	\$0	\$6,455	0.16 %
Exterior	\$0	\$0	\$21,167	\$9,629	\$47,629	\$78,424	1.94 %
Interior	\$0	\$0	\$129,161	\$215,391	\$4,526	\$349,078	8.66 %
Mechanical	\$0	\$11,622	\$0	\$0	\$0	\$11,622	0.29 %
Electrical	\$0	\$27,627	\$0	\$0	\$0	\$27,627	0.69 %
Plumbing	\$0	\$0	\$0	\$28,605	\$0	\$28,605	0.71 %
Fire and Life Safety	\$279,627	\$0	\$0	\$0	\$0	\$279,627	6.93 %
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Specialties	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Crawlspace	\$0	\$0	\$0	\$0	\$787,209	\$787,209	19.52 %
Total:	\$1,169,367	\$39,248	\$150,327	\$346,462	\$2,327,510	\$4,032,915	

The building systems at the site with the most need include:

Site	-	\$1,580,984
Roofing	-	\$883,286
Interior	-	\$349,078



The chart below represents the building systems and associated deficiency costs.

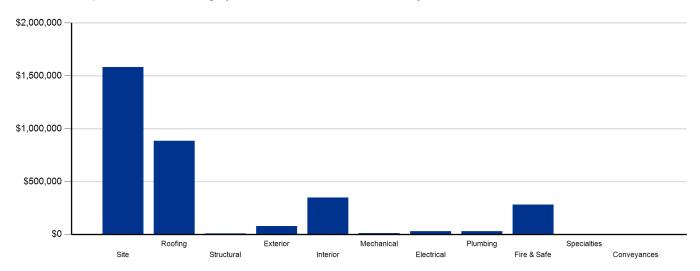


Figure 1: System Deficiencies



# **Life Cycle Capital Renewal Forecast**

During the facility condition assessment, assessors inspected all major building systems. If an assessor identified a need for immediate replacement, a deficiency was created with the item's repair costs. The identified deficiency contributes to the facility's total current repair costs.

However, capital planning scenarios span multiple years, as opposed to being constrained to immediate repairs. Construction projects may begin several years after the initial facility condition assessment. Therefore, in addition to the current year repair costs, it is necessary to forecast the facility's future costs using a ten-year life cycle renewal forecast model.

Life cycle renewal is the projection of future building system costs based upon each individual system's expected serviceable life. Building systems and components age over time, eventually break down, reach the end of their useful lives, and may require replacement. While an item may be in good condition now, it might reach the end of its life before a planned construction project occurs.

The following tables show current deficiencies and the subsequent ten-year life cycle capital renewal projections. The projections outline costs for major building systems in which a component is expected to reach the end of its useful life and require capital funding for replacement.

Table 3a: Capital Renewal Forecast (Yrs 1-5)

		Life Cycl	e Capital Renewal Pr	ojections		
System	Year 1 2023	Year 2 2024	Year 3 2025	Year 4 2026	Year 5 2027	Total 1-5
Site	\$0	\$0	\$0	\$0	\$0	\$0
Roofing	\$0	\$0	\$0	\$0	\$0	\$0
Exterior	\$0	\$0	\$0	\$0	\$0	\$0
Interior	\$0	\$0	\$40,487	\$4,033	\$167,160	\$211,680
Mechanical	\$0	\$0	\$135,042	\$28,228	\$478,320	\$641,590
Electrical	\$0	\$0	\$29,944	\$0	\$709,969	\$739,913
Plumbing	\$0	\$0	\$99,263	\$0	\$77,899	\$177,162
Fire and Life Safety	\$0	\$0	\$0	\$0	\$69,602	\$69,602
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0
Specialties	\$0	\$79,217	\$0	\$0	\$0	\$79,217
Crawlspace	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$79,217	\$304,736	\$32,261	\$1,502,950	\$1,919,164



Table 3b: Capital Renewal Forecast (Yrs 6-10)

			Life Cycle	Capital Renewal F	Projections			
System	Total 1-5	Year 6 2028	Year 7 2029	Year 8 2030	Year 9 2031	Year 10 2032	Total 6-10	Total 1-10
Site	\$0	\$0	\$0	\$0	\$0	\$165,742	\$165,742	\$165,742
Roofing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exterior	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interior	\$211,680	\$0	\$0	\$33,827	\$0	\$164,157	\$197,984	\$409,664
Mechanical	\$641,590	\$0	\$0	\$97,342	\$191,385	\$440,892	\$729,619	\$1,371,209
Electrical	\$739,913	\$0	\$0	\$26,387	\$0	\$84,986	\$111,373	\$851,286
Plumbing	\$177,162	\$1,265,692	\$0	\$2,384	\$0	\$28,605	\$1,296,681	\$1,473,843
Fire and Life Safety	\$69,602	\$0	\$0	\$7,377	\$0	\$0	\$7,377	\$76,979
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Specialties	\$79,217	\$0	\$0	\$0	\$0	\$0	\$0	\$79,217
Crawlspace	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,919,164	\$1,265,692	\$0	\$167,317	\$191,385	\$884,382	\$2,508,776	\$4,427,940

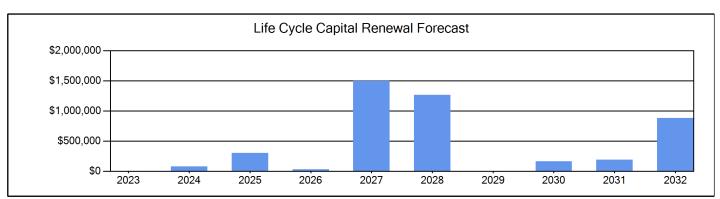


Figure 2: Ten Year Capital Renewal Forecast



### **Facility Condition Assessment Score**

The Facility Condition Assessment Score (FCAS) is used throughout the facility condition assessment industry as a general indicator of a building's health. The FCAS is used to benchmark the relative condition of a group of sites. The FCAS is derived by dividing the total repair cost, site-related repairs, by the total replacement cost and subtracting it from 100. A facility with a lower FCAS percentage has more need, or higher priority, than a facility with a lower FCAS. It should be noted that costs in the New Construction category are not included in the FCAS calculation.

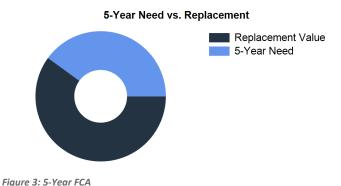
FCAS = 100 - (Total Repair Cost/ Replacement Cost)

For master planning purposes, the total current deficiencies and the first five years of projected life cycle needs were combined. This provides an understanding of the current needs of a facility as well as the projected needs in the near future. A 5-year FCAS was calculated by dividing the 5-year need by the total replacement cost. Costs associated with new construction are not included in the FCAS calculation.



Financial modeling has shown that over a 30-year period, it is more cost effective to replace than repair sites with a FCAS of 35 percent or greater. This is due to efficiency gains with facilities that are more modern and the value of the building at the end of the analysis period. It is important to note that the FCAS at which a facility should be considered for replacement is typically debated and adjusted based on property owners and facility managers approach to facility management. Of course, FCAS is not the only factor used to identify buildings that need renovation, replacement, or even closure. Historical significance, enrollment trends, community sentiment, and the availability of capital are additional factors that are analyzed when making campus facility decisions.

The replacement value represents the estimated cost of replacing the current building with another building of like size, based on today's estimated cost of construction in the Austin area. The estimated replacement cost for this facility is \$12,970,278. For planning purposes, the total 5-year need at the Barton Hills ES is \$5,952,079 (Life Cycle Years 1-5 plus the FCA deficiency cost). The Barton Hills ES facility has a 5-year FCA of 54.11%.





# **Barton Hills ES - Deficiency Summary Site Level Deficiencies**

#### Site

Deficiency	Category	Qty UoM	Priority	Repair Cost	ID
Fencing Replacement (4' Chain Link Fence)	Capital Renewal	1,967 LF	4	\$92,837	1516
PROGRAM DEFICIENCIES	ADA Compliance	595,159 EACH	5	\$768,328	1624

Note: Site/Exterior Improvements

Estimated Construction Cost for Site Plan Area C \$ 243,031.03

Estimated Construction Cost Subtotal for Site/Exterior Improvements Excluding Division 1 \$ 243,031.03

Interior Improvements

Estimated Construction Cost for Floor Plan Area 5A & 5B (2x) (Building A) \$ 149,012.43 Estimated Construction Cost for Floor Plan Area 6A & 6B (2x) (Building A) \$ 170,845.34 Estimated Construction Cost for Floor Plan Area 7 (Building A) \$ 10,197.86

Estimated Construction Cost for Floor Plan Area 8 (Building A) \$ 22,072.15
Estimated Construction Cost Subtotal for Interior Improvements Excluding Division 1 \$ 352,127.78

Location: Reference AISD ADA Report

PUBLIC DEFICIENCIES ADA Compliance 412,664 EACH 5 \$708,536 1623

Note: Site/Exterior Improvements

Estimated Construction Cost for Site Plan Area A \$22,171.93 Estimated Construction Cost for Site Plan Area B \$260,328.60

Estimated Construction Cost Subtotal for Site/Exterior Improvements Excluding Division 1 \$ 282,500.53

Interior Improvements

Estimated Construction Cost for Floor Plan Area 1 (Building A) \$19,815.07 Estimated Construction Cost for Floor Plan Area 2 (Building A) \$32,408.80 Estimated Construction Cost for Floor Plan Area 3 (Building A) \$68,457.20 Estimated Construction Cost for Floor Plan Area 4 (Building A) \$9,482.63

Estimated Construction Cost Subtotal for Interior Improvements Excluding Division 1 \$ 130,163.71

Location: Reference AISD ADA Report

TAS ACCESSIBILITY DEFICIENCIES ADA Compliance 6,571 EACH 5 \$11,282 1625

Note: Interior Improvements

Estimated Construction Cost for Floor Plan Area 9 (Building A) (REVISED: Upgraded for TAS compliance) \$ -

Estimated Construction Cost for Floor Plan Area 10 (Building B) \$ 6,570.90

Estimated Construction Cost Subtotal for TAS Improvements Excluding Division 1 \$ 6,570.90 Total Estimated Construction Cost Subtotal for TAS Deficiency Improvements \$6,570.90

Location: Reference AISD ADA report

Sub Total for System 4 items \$1,580,984

Qty UoM

Repair Cost

Structural

Deficiency

Deficiency		Category	Qty UoM	Priority	Repair Cost	ID
Structural Study Red	commended	Deferred Maintenance	1 Job	1	\$6,455	6846
Note:	Structural study to detail scope of work based on the 2017 crawls	space deficiencies provide	d by AISD			

Sub Total for System 1 items \$6,455
Sub Total for School and Site Level 5 items \$1,587,439

Category

# Building: 103A - Main building includes Administration Offices, Classrooms, Cafeteria.

AISD ROOFING P1	Capital Renewal	71,711	EACH	1	\$71,709	1793
AISD ROOFING P2	Capital Renewal	12,196	EACH	1	\$12,196	1794
AISD ROOFING P3	Capital Renewal	774,633	EACH	1	\$774,616	1795
AISD ROOFING P5	Capital Renewal	24,765	EACH	1	\$24,764	1796
	Sub Total for System	4	items		\$883,286	
Exterior						
Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Exterior Door Hardware Replacement	Capital Renewal	8	Ea.	3	\$21,167	1518
Exterior Painting (Bldg SF)	Capital Renewal	5,500	SF	4	\$9,629	1519
Note: Interview concern						
Note: Interview concern						
Exterior Cleaning	Deferred Maintenance	12,000	SF Wall	5	\$46,475	1520







#### Interior

Deficiency		Category	Qty Uol	// Priority	Repair Cost	ID
Interior Door Hardwa	are Replacement	Capital Renewal	83 Doc	or 3	\$123,222	1517
Acoustical Ceiling Ti	le Replacement	Capital Renewal	950 SF	4	\$3,208	1521
Note:	The ceiling has been leaking again this year throughout the were fixed around skylight areas	e building. The cafeteria leaks bad.	There are a few	spots in the	hallways. Ceiling	g leaks
Vinyl Composition Ti	le Replacement	Capital Renewal	25,583 SF	4	\$209,210	1522
		Sub Total for System	3 iten	าร	\$335,641	
Electrical						
Deficiency		Category	Qty Uol		Repair Cost	ID
Panelboard Replace		Capital Renewal	4 Ea.	2	\$11,128	1053
Panelboard Replace	ment	Capital Renewal  Sub Total for System	3 Ea. <b>2 ite</b> n	2	\$16,499 <b>\$27,627</b>	1054
Plumbing		ous rotal for cyclom	2 1.01		Ψ2.,02.	
Deficiency		Category	Qty Uol	/ Priority	Repair Cost	ID
	inking Fountain Replacement	Capital Renewal	12 Ea.	4	\$28,605	1515
3	3	Sub Total for System	1 iten	าร	\$28,605	
Fire and Life	Safety	•				
Deficiency	•	Category	Qty Uol	/ Priority	Repair Cost	ID
Install Fire Sprinklers	6	Functional Deficiency	31,979 SF	1	\$234,285	1055
Note:	no fire sprinkler in place	•				
		Sub Total for System	1 iten	าร	\$234,285	
Crawlspace						
Deficiency		Category	Qty Uol	A Priority	Repair Cost	ID
CRAWL SPACE DE	FICIENCIES - Estimate and Info by AISD	Deferred Maintenance	155,650 Ea.	5	\$182,866	6847
Note:	CRAWL SPACE ACCESS/VENTILATION - improve ventil	ation - 27956 GSF				
	FICIENCIES - Estimate and Info by AISD	Deferred Maintenance	38,913 Ea.	5	\$45,717	6848
Note:	STANDARD FOUNDATIONS - minor honeycombing - 279			_	<b>.</b>	
CRAWL SPACE DE	FICIENCIES - Estimate and Info by AISD	Deferred Maintenance	38,913 Ea.	5	\$45,717	6849
Note:	SUSPENDED FLOOR BEAMS - moderate honeycombing	- 27956 GSF				
CRAWL SPACE DE	FICIENCIES - Estimate and Info by AISD	Deferred Maintenance	233,476 Ea.	5	\$274,300	6850
Note:	SUSPENDED FLOOR SLABS - repair cracks, spalling &	reinforcement - 27956 GSF				
CRAWL SPACE DE	FICIENCIES - Estimate and Info by AISD	Deferred Maintenance	125,273 Ea.	5	\$147,177	6851
Note:	CRAWL SPACE, EXPOSED PIPES - Repair pipe leaks, re	eplace degraded pipe insulation and	corroded piping	g - 1 LS		
CRAWL SPACE DE	FICIENCIES - Estimate and Info by AISD	Deferred Maintenance	77,825 Ea.	5	\$91,433	6852
Note:	CRAWL SPACE, INSULATION - replace insulation. 20% -					
		Sub Total for System	6 iten		\$787,209	
	or Building 103A - Main building includes Administration	n Offices, Classrooms, Cafeteria.	20 iten	ıs	\$2,373,922	
Building: 10	03B - Stand-Alone Gym					
Exterior						
Deficiency		Category	Qty Uol	// Priority	Repair Cost	ID
Exterior Cleaning		Deferred Maintenance	298 SF	5	\$1,154	1052
		Maintenance Sub Total for System	Wal		\$1,154	
Interior		out rotal for dystem	i iteli		ψ1,134	
Deficiency		Category	Qty Uol	// Priority	Repair Cost	ID
Interior Door Hardwa	are Replacement	Capital Renewal	4 Doc	or 3	\$5,938	1528
Acoustical Ceiling Ti	le Replacement	Capital Renewal	149 SF	4	\$503	1526
Ceiling Grid Replace	ement	Capital Renewal	149 SF	4	\$620	1525
Interior CMU Walls F	Repainting	Capital Renewal	1,790 SF	4	\$1,849	1051
Location	: gym					







#### Interior

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Interior Ceiling Repainting	Deferred Maintenance	149	SF	5	\$310	1527
Interior Ceramic Wall Repainting	Deferred Maintenance	1,194	SF Wall	5	\$4,216	1050
Note: re-paint gym						
Location: gym						
	Sub Total for System	6	items		\$13,437	
Mechanical						
Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
HVAC VAV Box Replacement	Capital Renewal	3	Ea.	2	\$11,622	1524
	Sub Total for System	1	items		\$11,622	
Fire and Life Safety						
Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Install Fire Sprinklers	Functional Deficiency	2,984	SF	1	\$21,861	1056
Note: no system in place						
	Sub Total for System	1	items		\$21,861	
	Sub Total for Building 103B - Stand-Alone Gym	9	items		\$48,074	
<b>Building: 103C - Music Building</b>						
Fire and Life Safety						
Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Install Fire Sprinklers	Functional Deficiency	3,205	SF	1	\$23,481	1057
Note: no fire sprinkler system in place						
	Sub Total for System	1	items		\$23,481	
	Sub Total for Building 103C - Music Building	1	items		\$23,481	
	Total for Campus	35	items		\$4,032,915	



# Barton Hills ES - Life Cycle Summary Yrs 1-10 Site Level Life Cycle Items

#### Site

Uniformat Description	LC Type Description		Qty UoM	Repair Cost	Remaining Life
Parking Lot Pavement	Asphalt		45 CAR	\$65,286	10
Roadway Pavement	Concrete Driveways		8,047 SF	\$100,456	10
		Sub Total for System	2 items	\$165,742	
Electrical					
Uniformat Description	LC Type Description		Qty UoM	Repair Cost	Remaining Life
Parking Lot Lighting	Pole Lighting		2 Ea.	\$11,639	5
		Sub Total for System	1 items	\$11,639	
		Sub Total for Building -	3 items	\$177,381	

# Building: 103A - Main building includes Administration Offices, Classrooms, Cafeteria.

#### Interior

Uniformat Description	LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Carpeting	Carpet		3,198	SF	\$40,487	3
Wall Painting and Coating	Painting/Staining (Bldg SF)		1,599	SF	\$7,165	5
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles		28,781	SF	\$97,186	5
Suspended Plaster and	Painted ceilings		3,198	SF	\$6,660	8
Compartments and Cubicles	Toilet Partitions		12	Stall	\$24,198	8
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System		28,781	SF	\$119,851	10
		Sub Total for System	6	items	\$295,547	
Mechanical						
Uniformat Description	LC Type Description		Qty	UoM	Repair Cost	Remaining Life

			Cab retainer Cyclein	•		<b>4200,0</b>	
Mechanical							
Uniformat Description		LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Heat Generation		Boiler - Electric (2778 MBH)	'	1	Ea.	\$85,559	3
Heating System Supplementary Components		Controls - Electronic (Bldg.SF)		31,979	SF	\$49,483	3
Other HVAC Distribution Systems		VFD (10 HP)		2	Ea.	\$11,415	5
Other HVAC Distribution Systems		VFD (10 HP)		2	Ea.	\$11,415	5
	Note:	VFD AHU2, 3. ROOM AHU 2, 3.					
Other HVAC Distribution Systems		VFD (15 HP)		2	Ea.	\$15,117	5
	Note:	VFD CHWP #1.2, MAIN MECH.					
Facility Hydronic Distribution		4-Pipe System		31,979	SF	\$77,379	5
	Note:	HWB1, HWB#2-06, main mech					
Facility Hydronic Distribution		Pump- 10HP (Ea.)		1	Ea.	\$11,561	5
	Note:	HWP#1-06, main mech					
Facility Hydronic Distribution		Pump- 25HP (Ea.)		2	Ea.	\$28,763	5
	Note:	CHP#1, 2-06, main mech					
HVAC Air Distribution		Ductwork (Bldg.SF)		31,979	SF	\$253,032	5
Exhaust Air		Roof Exhaust Fan - Small		3	Ea.	\$5,879	5
Exhaust Air		Roof Exhaust Fan - Large		4	Ea.	\$32,145	5
Heat Generation		Boiler - Electric (758 MBH)		1	Ea.	\$44,603	8
Decentralized Cooling		Condenser - Outside Air Cooled (3 Tons)		1	Ea.	\$6,423	8
Decentralized Cooling		Fan Coil - DX Cool w/Electric Heat (3 Ton)		1	Ea.	\$1,970	8
	Note:	FCU3-06					
Decentralized Cooling		Heat Pump (10 Ton)		1	Ea.	\$24,044	8
	Note:	OPH-3, ROOF					
Central Cooling		Chiller - Outdoor Air Cooled (175 Tons)		1	Ea.	\$191,385	9
HVAC Air Distribution		AHU 10,000 CFM Interior		2	Ea.	\$171,918	10
	Note:	AHU#2, 3-06, ROOM AHU 2/3					
HVAC Air Distribution		AHU 2,000 CFM Interior		2	Ea.	\$58,029	10
	Note:	BCU#3, 4-05, MAIN MECH, AHU3					
HVAC Air Distribution		AHU 5,000 CFM Interior		1	Ea.	\$43,163	10
	Note:	BCU#5-05, STO ADM					
HVAC Air Distribution		VAV Boxes / Terminal Device		32	Ea.	\$123,963	10
	Note:	Sometimes heat and AC do not work in the building.					

M•A•P•P•S ©, Jacobs 2022

Sub Total for System

20 items

\$1,247,244



Repair Cost Remaining Life

Qty UoM





LC Type Description

#### **Electrical**

Uniformat Description

Uniformat Description				Qty			Remaining Life
Distributed Systems		Public Address System Head End Unit		1	Ea.	\$7,307	3
Audio-Video Systems		PA Communications No Head Unit (Bldg SF)		31,979	SF	\$22,637	3
	Note:	Intercom through phone system					
Power Distribution		Panelboard - 120/208 225A		1	Ea.	\$5,500	5
Lighting Fixtures		Light Fixtures (Bldg SF)		31,979	SF	\$586,448	5
Power Distribution		Power Wiring		31,979	SF	\$37,981	5
Power Distribution		Distribution Panels (400 Amps)		1	Ea.	\$16,905	8
Lighting Fixtures		Building Mounted Fixtures (Ea.)		6	Ea.	\$5,410	8
Lighting Fixtures		Canopy Mounted Fixtures (Ea.)		8	Ea.	\$16,664	10
			Sub Total for System	8	items	\$698,852	
Plumbing							
Uniformat Description		LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Plumbing Fixtures		Restroom Lavatory		4	Ea.	\$10,865	3
Plumbing Fixtures		Sink - Service / Mop Sink		3	Ea.	\$2,388	3
Plumbing Fixtures		Toilets		17	Ea.	\$86,010	3
Domestic Water Equipment		Water Heater - Gas - 50 gallon		1	Ea.	\$3,491	5
Plumbing Fixtures		Classroom Lavatory		20	Ea.	\$51,290	5
Domestic Water Equipment		Water Heater - Gas - 100 Gallon			Ea.	\$6,384	6
Domestic Water Equipment		Gas Piping System (BldgSF)		31,979		\$1,108,880	6
Domestic Water Piping		Domestic Water Piping System (Bldg.SF)		31,979		\$114,924	6
. •							
Sanitary Sewerage Piping		Sanitary Sewer Piping		31,979		\$35,504	6
Plumbing Fixtures		Non-Refrigerated Drinking Fountain			Ea.	\$28,605	10
			Sub Total for System	10	items	\$1,448,340	
Fire and Life Safety							
Uniformat Description		LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm		Fire Alarm		31,979	SF	\$50,777	5
Fire Detection and Alarm		Fire Alarm Panel		1	Ea.	\$6,868	5
			Sub Total for System	2	items	\$57,645	
Specialties							
Specialties		LC Type Description		Otv	LloM	Rangir Coat	Romaining Life
Uniformat Description		LC Type Description			UoM		
•		LC Type Description Fixed Cabinetry		9	Room	\$79,217	Remaining Life
Uniformat Description  Casework	tuilding 1	Fixed Cabinetry	Sub Total for System	9	Room items	\$79,217 <b>\$79,217</b>	
Uniformat Description  Casework  Sub Total for B	_	Fixed Cabinetry  03A - Main building includes Administration Office	Sub Total for System	9	Room	\$79,217	
Uniformat Description  Casework	_	Fixed Cabinetry  03A - Main building includes Administration Office	Sub Total for System	9	Room items	\$79,217 <b>\$79,217</b>	
Uniformat Description  Casework  Sub Total for B	_	Fixed Cabinetry  03A - Main building includes Administration Office	Sub Total for System	9	Room items	\$79,217 <b>\$79,217</b>	
Uniformat Description Casework  Sub Total for B  Building: 103B - Sta	_	Fixed Cabinetry  03A - Main building includes Administration Office	Sub Total for System	9 1 47	Room items	\$79,217 <b>\$79,217</b> <b>\$3,826,845</b>	
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym	Sub Total for System	9 1 47	Room items items	\$79,217 <b>\$79,217</b> <b>\$3,826,845</b>	2
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description	Sub Total for System	9 1 47	Room items items	\$79,217 <b>\$79,217</b> <b>\$3,826,845</b> Repair Cost	2 Remaining Life
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions	Sub Total for System	9 1 47 Qty	Room items items	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033	2  Remaining Life
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions  Ceilings - Acoustical Tiles	Sub Total for System	9 1 47 Qty 2 149	Room items items	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503	Remaining Life 4 10
Uniformat Description Casework  Sub Total for B Building: 103B - Sta Interior Uniformat Description Compartments and Cubicles Acoustical Suspended Ceilings Suspended Plaster and	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions  Ceilings - Acoustical Tiles  Painted ceilings	Sub Total for System	9 1 47 Cty 2 149 149 2,835	Room items items	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310	Remaining Life 4 10 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47 Cty 2 149 149 2,835	Room items items	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493	Remaining Life 4 10 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions  Ceilings - Acoustical Tiles  Painted ceilings  Athletic/Sport Flooring	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47  Otty 2 149 149 2,835 4	Room items items  UoM Stall SF SF SF items	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339	Remaining Life 4 10 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47  Otty 2 149 149 2,835 4	Room items items  UoM Stall SF SF SF items	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339	Remaining Life 4 10 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description  Controls - Electronic (Bldg.SF)	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47  Qty 2 149 2,835 4  Qty 2,984	Room items items  UoM Stall SF SF items  UoM	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617	Remaining Life 4 10 10 10 Remaining Life 4
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution	_	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description  Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF)	Sub Total for System ces, Classrooms, Cafeteria.	Qty 2 149 2,835 4 Qty 2,984	Room items items  UoM Stall SF SF items  UoM SF SF	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617	Remaining Life 4 10 10 10 Remaining Life 4
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components	and-A	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton)	Sub Total for System ces, Classrooms, Cafeteria.	Qty 2 149 2,835 4 Qty 2,984	Room items items  UoM Stall SF SF items  UoM	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617	Remaining Life 4 10 10 10 Remaining Life 4
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling	and-A	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton) BCU#1-06, BCU#2-06	Sub Total for System ces, Classrooms, Cafeteria.	Qty 2 149 2,835 4 Qty 2,984	Room items items  UoM Stall SF SF items  UoM SF SF	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617	Remaining Life 4 10 10 10 Remaining Life 4
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution	and-A	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton)	Sub Total for System ces, Classrooms, Cafeteria.	Qty 2 149 2,835 4 Qty 2,984	Room items items  UoM Stall SF SF items  UoM SF SF	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617	Remaining Life 4 10 10 10 Remaining Life 4
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling	and-A	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton) BCU#1-06, BCU#2-06 4-Pipe System	Sub Total for System ces, Classrooms, Cafeteria.	Qty 2 149 2,835 4 Qty 2,984 2,984 2	Room items items  UoM Stall SF SF items  UoM SF SF	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617 \$23,611 \$3,940	Remaining Life 4 10 10 10 Remaining Life 4 4 5
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton) BCU#1-06, BCU#2-06 4-Pipe System	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47  Cty 2 149 149 2.835 4  Cty 2,984 2,984 2	Room items items  UoM Stall SF SF items  UoM SF SF	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617 \$23,611 \$3,940	Remaining Life 4 10 10 10 Remaining Life 4 4 5
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling  Facility Hydronic Distribution	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton)  BCU#1-06, BCU#2-06 4-Pipe System gym	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47 Cty 2 149 149 2.835 4 Cty 2,984 2,984 2	Room items items  UoM Stall SF SF items  UoM SF SF items  SF SF	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617 \$23,611 \$3,940	Remaining Life 4 10 10 10 Remaining Life 4 4 5
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling  Facility Hydronic Distribution  Exhaust Air	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton) BCU#1-06, BCU#2-06 4-Pipe System gym Roof Exhaust Fan - Small	Sub Total for System ces, Classrooms, Cafeteria.	9 1 47 Ctty 2 149 149 2,835 4 Ctty 2,984 2,984 2 3	Room items items  UoM Stall SF SF items  UoM SF SF items  Ea.	\$79,217 \$79,217 \$3,826,845 Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339 Repair Cost \$4,617 \$23,611 \$3,940 \$7,220	Remaining Life 4 10 10 10 Remaining Life 4 4 5
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling  Facility Hydronic Distribution  Exhaust Air	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton) BCU#1-06, BCU#2-06 4-Pipe System gym Roof Exhaust Fan - Small	Sub Total for System ces, Classrooms, Cafeteria.  Sub Total for System	9 1 47 Ctty 2 149 149 2,835 4 Ctty 2,984 2,984 2 3	Room items items  UoM Stall SF SF items  UoM SF SF items	\$79,217 \$79,217 \$3,826,845  Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339  Repair Cost \$4,617 \$23,611 \$3,940 \$7,220 \$3,919 \$24,109	Remaining Life 4 10 10 10 Remaining Life 4 5 5 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling  Facility Hydronic Distribution  Exhaust Air	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton) BCU#1-06, BCU#2-06 4-Pipe System gym Roof Exhaust Fan - Small	Sub Total for System ces, Classrooms, Cafeteria.  Sub Total for System	9 1 47  Cty 2 149 149 2,835 4  Cty 2,984 2,984 2 2,984 6	Room items items  UoM Stall SF SF items  UoM SF SF items	\$79,217 \$79,217 \$79,217 \$3,826,845  Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339  Repair Cost \$4,617 \$23,611 \$3,940 \$7,220 \$3,919 \$24,109 \$67,416	2  Remaining Life 4 10 10 10  Remaining Life 4 5 5 10 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles  Acoustical Suspended Ceilings  Suspended Plaster and  Athletic Flooring  Mechanical  Uniformat Description  Heating System Supplementary  Components  HVAC Air Distribution  Decentralized Cooling  Facility Hydronic Distribution  Exhaust Air  Exhaust Air	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description  Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton)  BCU#1-06, BCU#2-06  4-Pipe System gym  Roof Exhaust Fan - Small  Roof Exhaust Fan - Large	Sub Total for System ces, Classrooms, Cafeteria.  Sub Total for System	9 1 47  Cty 2 149 149 2,835 4  Cty 2,984 2,984 2 3 6  Cty	Room items items  UoM Stall SF SF items  UoM SF SF items  items	\$79,217 \$79,217 \$79,217 \$3,826,845  Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339  Repair Cost \$4,617 \$23,611 \$3,940 \$7,220 \$3,919 \$24,109 \$67,416	2  Remaining Life 4 10 10 10  Remaining Life 4 5 5 10 10
Uniformat Description  Casework  Sub Total for B  Building: 103B - Sta  Interior  Uniformat Description  Compartments and Cubicles Acoustical Suspended Ceilings Suspended Plaster and Athletic Flooring  Mechanical Uniformat Description  Heating System Supplementary Components HVAC Air Distribution Decentralized Cooling  Facility Hydronic Distribution  Exhaust Air  Exhaust Air  Electrical Uniformat Description	Note:	Fixed Cabinetry  03A - Main building includes Administration Office  Ione Gym  LC Type Description  Toilet Partitions Ceilings - Acoustical Tiles Painted ceilings Athletic/Sport Flooring  LC Type Description  Controls - Electronic (Bldg.SF)  Ductwork (Bldg.SF) Fan Coil - DX Cool w/Electric Heat (3 Ton)  BCU#1-06, BCU#2-06 4-Pipe System gym Roof Exhaust Fan - Small Roof Exhaust Fan - Large  LC Type Description	Sub Total for System ces, Classrooms, Cafeteria.  Sub Total for System	9 1 47  Ctty 2 149 2,835 4  Ctty 2,984 2,984 2 3 6  Ctty 2	Room items items  UoM Stall SF SF items  UoM SF Ea. Ea. items	\$79,217 \$79,217 \$79,217 \$3,826,845  Repair Cost \$4,033 \$503 \$310 \$43,493 \$48,339  Repair Cost \$4,617 \$23,611 \$3,940 \$7,220 \$3,919 \$24,109 \$67,416  Repair Cost	Remaining Life  4 10 10 10  Remaining Life 4 5 5 10 10 Remaining Life







#### **Electrical**

Electrical		_			
Uniformat Description	LC Type Description		UoM	-	Remaining Life
Lighting Fixtures	Light Fixtures (Bldg SF)	2,984		\$54,722	10
Power Distribution	Power Wiring	2,984		\$3,544	10
Dlumbing	Sub Total for System	5	items	\$72,059	
Plumbing	LO Torre Prescription	01:	11-14	Dan sin Osat	Daniela a Li
Uniformat Description	LC Type Description		UoM	•	Remaining Life
Sanitary Sewerage Piping	Sanitary Sewer Piping	2,984		\$3,313	5
Domestic Water Piping	Domestic Water Piping System (Bldg.SF)	2,984		\$10,724	5
Plumbing Fixtures	Restroom Lavatory		Ea.	\$2,716	5
Plumbing Fixtures	Showers		Ea.	\$1,306	5
Plumbing Fixtures	Toilets		Ea.	\$5,059	5
	Sub Total for System		items	\$23,119	
Duildin on 4000 Music F	Sub Total for Building 103B - Stand-Alone Gym	20	items	\$210,933	
Building: 103C - Music E	suliding				
Interior					
Uniformat Description	LC Type Description		UoM		Remaining Life
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	3,045		\$10,282	5
Suspended Plaster and	Painted ceilings	160		\$333	5
Wall Painting and Coating	Painting/Staining (Bldg SF)	3,045	SF	\$13,644	5
Carpeting	Carpet	3,045	SF	\$38,550	5
Interior Door Supplementary Components	Door Hardware	2	Door	\$2,969	8
	Sub Total for System	5	items	\$65,779	
Mechanical					
Uniformat Description	LC Type Description		UoM	Repair Cost	
Heating System Supplementary Components	Controls - Electronic (Bldg.SF)	3,205	SF	\$4,959	5
HVAC Air Distribution	VAV Boxes / Terminal Device	4	Ea.	\$15,495	5
Other HVAC Distribution Systems	VFD (5 HP)	1	Ea.	\$4,393	8
HVAC Air Distribution	Roof Top Unit - DX Gas (5 Ton)	1	Ea.	\$15,909	8
Facility Hydronic Distribution	4-Pipe System	3,205	SF	\$7,755	10
Exhaust Air	Roof Exhaust Fan - Large		Ea.	\$8,036	10
	Sub Total for System		items	\$56,548	
Electrical				****	
	LC Type Description	Otv	HoM	Banair Coat	Domaining Life
Uniformat Description	LC Type Description		UoM	Repair Cost	Remaining Life
Lighting Fixtures	Light Fixtures (Bldg SF)	3,205		\$58,775	8
Audio-Video Systems	PA Communications No Head Unit (Bldg SF)	3,205	SF	\$2,269	Ö
	provided by main building A		_	04.000	
Lighting Fixtures	Building Mounted Fixtures (Ea.)		Ea.	\$1,803	8
Lighting Fixtures	Canopy Mounted Fixtures (Ea.)		Ea.	\$2,083	10
Power Distribution	Power Wiring	3,205		\$3,807	10
	Sub Total for System	5	items	\$68,737	
Plumbing					
Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Plumbing Fixtures	Non-Refrigerated Drinking Fountain	1	Ea.	\$2,384	8
Fine and Life Oct 1	Sub Total for System	1	items	\$2,384	
Fire and Life Safety	LC Type Description	04:	HoM	Poneir Cart	Pomaining Life
Uniformat Description	LC Type Description		UoM		Remaining Life
Fire Detection and Alarm	Fire Alarm Panel		Ea.	\$6,868	
Fire Detection and Alarm	Fire Alarm	3,205	SF	\$5,089	5
	provided in building A				
Security System Component	Security Alarm System	3,205	SF	\$7,377	8
Note	provided by main building A				
	Sub Total for System		items	\$19,334	
	Sub Total for Building 103C - Music Building	20	items	\$212,782	

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Total for: Barton Hills ES

\$4,427,942

90 items



# **Supporting Photos**

#### **General Site Photos**



Broken classroom interior lighting and ceiling tiles



Aged aluminum windows



Aged floor tiles



Peeling wall paint

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