

FACILITY CONDITION ASSESSMENT

St. Martin North Elementary | November 2020



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Jackson CS - St. Martin North Elementary

Executive Summary

St. Martin North Elementary, located at 16308 Lemoyne Blvd in Biloxi, Mississippi, oldest building is 46 years old (at time of 2020 assessment). It comprises 60,200 gross square feet.

The findings contained within this report are the result of an assessment of building systems 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 \$328,745. 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 St. Martin North Elementary the ten-year need is \$6,646,416.

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 Index (FCI). A 5-year FCI was calculated by dividing the 5-year need by the total replacement cost. Costs associated with new construction are not included in the FCI calculation. The St. Martin North Elementary facility has a 5-year FCI of 32.23%.

Summary of Findings

The table below summarizes the condition findings at St. Martin North Elementary

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 FCI
Exterior Sit	ė							
	Exterior Site	\$162,507	\$197,959	\$177,908	\$360,466	\$538,374	\$0	
Permanent	Building(s)							
01	Elementary School	\$166,238	\$4,788,318	\$1,133,720	\$4,954,556	\$6,088,276	\$15,264,030	32.46%
02	Gym	\$0	\$1,799	\$17,967	\$1,799	\$19,766	\$1,233,180	.15%
	Sub Total for Permanent Building(s):	\$166,238	\$4,790,117	\$1,151,687	\$4,956,355	\$6,108,042	\$16,497,208	
	Total for Site:	\$328,745	\$4,988,076	\$1,329,595	\$5,316,821	\$6,646,416	\$16,497,208	32.23%

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Jackson CS - St. Martin North Elementary

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.

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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	\$147,321	\$20,785	\$0	\$168,106	51.14 %
Roofing	\$0	\$220	\$1,447	\$0	\$0	\$1,667	0.51 %
Structural	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Exterior	\$0	\$0	\$1,114	\$40,516	\$2,080	\$43,710	13.30 %
Interior	\$0	\$0	\$0	\$3,344	\$0	\$3,344	1.02 %
Mechanical	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Electrical	\$0	\$427	\$39,948	\$0	\$0	\$40,375	12.28 %
Plumbing	\$0	\$0	\$7,250	\$0	\$0	\$7,250	2.21 %
Fire and Life Safety	\$63,141	\$0	\$0	\$0	\$0	\$63,141	19.21 %
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Specialties	\$0	\$0	\$288	\$864	\$0	\$1,152	0.35 %
Total:	\$63,141	\$647	\$197,368	\$65,509	\$2,080	\$328,745	

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

Site -	\$168,106
Fire and Life Safety -	\$63,141
Exterior -	\$43,710



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

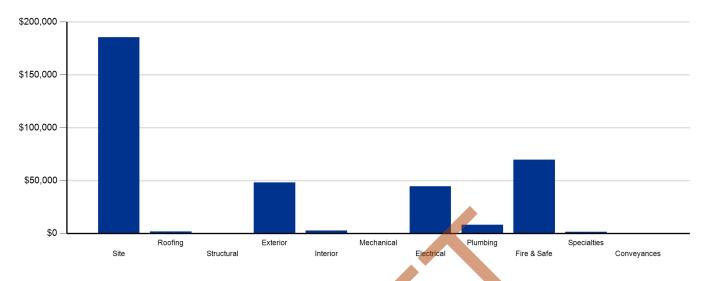


Figure 1: System Deficiencies





Jackson CS - St. Martin North Elementary

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	le Capital Renewal Pr	ojections		
System	Year 1 2021	Year 2 2022	Year 3 2023	Year 4 2024	Year 5 2025	Total 1-5
Site	\$0	\$0	\$0	\$197,959	\$0	\$197,959
Roofing	\$0	\$0	\$0	\$0	\$1,454,235	\$1,454,235
Exterior	\$0	\$0	\$0	\$0	\$391,426	\$391,426
Interior	\$8,392	\$0	\$233,893	\$268,304	\$5,175	\$515,764
Mechanical	\$0	\$0	\$0	\$665,420	\$15,978	\$681,398
Electrical	\$0	\$0	\$0	\$43,229	\$917,032	\$960,261
Plumbing	\$0	\$0	\$16,423	\$205,624	\$34,325	\$256,372
Fire and Life Safety	\$0	\$0	\$0	\$114,399	\$0	\$114,399
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0
Specialties	\$0	\$0	\$0	\$416,262	\$0	\$416,262
Total	\$8,392	\$0	\$250,316	\$1,911,197	\$2,818,171	\$4,988,076

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

		Life Cycle Capital Renewal Projections						
System	Total 1-5	Year 6 2026	Year 7 2027	Year 8 2028	Year 9 2029	Year 10 2030	Total 6-10	Total 1-10
Site	\$197,959	\$0	\$0	\$71,754	\$0	\$106,154	\$177,908	\$375,867
Roofing	\$1,454,235	\$0	\$0	\$0	\$0	\$209,791	\$209,791	\$1,664,026
Exterior	\$391,426	\$0	\$0	\$46,309	\$0	\$0	\$46,309	\$437,735
Interior	\$515,764	\$0	\$121,934	\$182,329	\$51,742	\$61,117	\$417,122	\$932,886
Mechanical	\$681,398	\$0	\$0	\$21,088	\$0	\$6,213	\$27,301	\$708,699
Electrical	\$960,261	\$0	\$0	\$147,650	\$0	\$0	\$147,650	\$1,107,911
Plumbing	\$256,372	\$0	\$0	\$8,666	\$0	\$209,555	\$218,221	\$474,593
Fire and Life Safety	\$114,399	\$78,917	\$0	\$0	\$6,376	\$0	\$85,293	\$199,692
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Specialties	\$416,262	\$0	\$0	\$0	\$0	\$0	\$0	\$416,262
Total	\$4,988,076	\$78,917	\$121,934	\$477,796	\$58,118	\$592,830	\$1,329,595	\$6,317,671

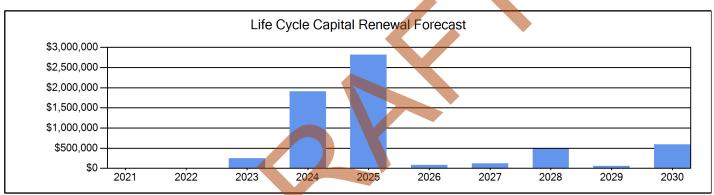


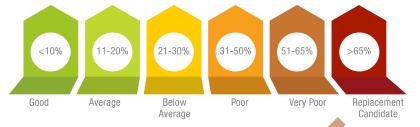
Figure 2: Ten Year Capital Renewal Forecast

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Facility Condition Index (FCI)

The Facility Condition Index (FCI) is used throughout the facility condition assessment industry as a general indicator of a building's health. Since 1991, the facility management industry has used an index called the FCI to benchmark the relative condition of a group of sites. The FCI is derived by dividing the total repair cost, including educational adequacy and site-related repairs, by the total replacement cost. A facility with a higher FCI percentage has more need, or higher priority, than a facility with a lower FCI. It should be noted that costs in the New Construction category are not included in the FCI calculation.



Financial modeling has shown that over a 30-year period, it is more cost effective to replace than repair sites with a FCI of 65 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 FCI 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, FCI 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.

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 FCI was calculated by dividing the 5-year need by the total replacement cost. Costs associated with new construction are not included in the FCI calculation.

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 Jackson, MS area. The estimated replacement cost for this facility is \$16,497,208. For planning purposes, the total 5-year need at the St. Martin North Elementary is \$5,316,821 (Life Cycle Years 1-5 plus the FCI deficiency cost). The St. Martin North Elementary facility has a 5-year FCI of 32.23%.

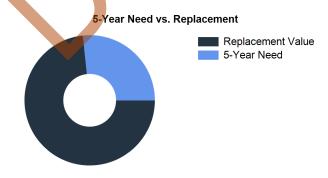


Figure 3: 5-Year FCI

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St. Martin North Elementary - Deficiency Summary Site Level Deficiencies

Site

Category	Qty	UoM	Priority	Repair Cost	ID
Capital Renewal	21,000	SF	3	\$120,497	772
Capital Renewal	2,100	SF	3	\$21,226	774
as being undermined and	could cau	se side	walk failure	t <u>.</u>	
Capital Renewal	200	LF	4	\$8,423	770
ged sections to be remove	d and rep	laced.			
Capital Renewal	30	LF	4	\$2,097	771
Deferred Maintenance	8,000	SF	4	\$10,265	773
ay from the buildings.					
Sub Total for System	5	items		\$162,507	
School and Site Level	5	items		\$162,507	
Category	Qty	UoM	Priority	Repair Cost	ID
ADA Compliance	1	Ea.	3	\$5,599	812
Sub Total for System	1	items		\$5,599	
Category	Qty	UoM	Priority	Repair Cost	ID
Deferred	-		2	\$220	92
Maintenance					
Capital Renewal	40	SF	3	\$1,447	91
Sub Total for System	2	items		\$1,667	
Category	Qtv	UoM	Priority	Repair Cost	ID
	-		<u>`</u>		96
Maintenance	_			* 1,21	
Deferred	6	LF	3	\$40	94
at header of window on w	est side		ng needs r	•	
				\$40,516	
Capital Renewal	1,200	SF	4	ψ40,510	195
Capital Renewal ffit structure.	,			Ψ-10,510	195
•	1,200		5	\$346	195 93
ffit structure. Deferred	100	SF Wall	5	\$346	93
ffit structure. Deferred Maintenance	100	SF Wall neling o	5	\$346	93
ffit structure. Deferred Maintenance be power washed. 80 SF o	100 f EIFS pa	SF Wall neling o	5 on north sid	\$346 de of the building	93 I needs
ffit structure. Deferred Maintenance be power washed. 80 SF o	100 f EIFS pa	SF Wall neling o SF Wall	5 on north sid	\$346 de of the building	93 I needs
ffit structure. Deferred Maintenance e power washed. 80 SF o Deferred Maintenance	100 f EIFS pa 300	SF Wall neling o SF Wall	5 on north sid 5	\$346 le of the building \$1,037	93 needs 194
	Capital Renewal Capital Renewal as being undermined and of Capital Renewal ged sections to be remove Capital Renewal Deferred Maintenance way from the buildings. Sub Total for System School and Site Level Category ADA Compliance Sub Total for System Category Deferred Maintenance Capital Renewal Sub Total for System Category Deferred Maintenance Capital Renewal Sub Total for System Category Deferred Maintenance Deferred Maintenance	Capital Renewal 21,000 Capital Renewal 2,100 as being undermined and could cau Capital Renewal 200 ged sections to be removed and rep Capital Renewal 30 Deferred 8,000 Maintenance vay from the buildings. Sub Total for System 5 School and Site Level 5 Category Qty ADA Compliance 1 Category Qty Deferred 1 Maintenance 1 Capital Renewal 40 Sub Total for System 2 Category Qty Deferred 1 Maintenance 1 Capital Renewal 40 Sub Total for System 2 Category Qty Deferred 1 Maintenance 1 Category Qty Deferred 2 Maintenance 3 Deferred 6 Maintenance 4 Table Total for System 2 Category Qty Deferred 6 Maintenance 1 Deferred 6 Maintenance 1 Table Total for System 2 Category Qty Deferred 6 Maintenance 1 Deferred 6 Maintenance 1 Table Total for System 2	Capital Renewal 21,000 SF Capital Renewal 2,100 SF as being undermined and could cause sider Capital Renewal 200 LF ged sections to be removed and replaced. Capital Renewal 30 LF Deferred 8,000 SF Maintenance vay from the buildings. Sub Total for System 5 items School and Site Level 5 items Category Qty UoM ADA Compliance 1 Ea. Sub Total for System 1 items Category Qty UoM Deferred 1 Ea. Capital Renewal 40 SF Sub Total for System 2 items Category Qty UoM Deferred 40 SF Sub Total for System 2 items Category Qty UoM Deferred 40 SF Sub Total for System 2 items Category Qty UoM Deferred 6 LF Maintenance 6 LF Maintenance 6 LF Maintenance 6 LF Maintenance 7 window on west side of building the side	Capital Renewal 21,000 SF 3 Capital Renewal 2,100 SF 3 as being undermined and could cause sidewalk failure Capital Renewal 200 LF 4 ged sections to be removed and replaced. Capital Renewal 30 LF 4 Deferred 8,000 SF 4 Maintenance vay from the buildings. Sub Total for System 5 items School and Site Level 5 items Category Qty UoM Priority ADA Compliance 1 Ea. 3 Sub Total for System 1 items Category Qty UoM Priority Deferred 1 Ea. 2 Capital Renewal 40 SF 3 Sub Total for System 2 items Category Qty UoM Priority Deferred 1 Ea. 2 Capital Renewal 40 SF 3 Sub Total for System 2 items Category Qty UoM Priority Deferred 6 LF 3 Maintenance tat header of window on west side of building needs of the side of th	Capital Renewal 21,000 SF 3 \$120,497 Capital Renewal 2,100 SF 3 \$21,226 as being undermined and could cause sidewalk failure. Capital Renewal 200 LF 4 \$8,423 ged sections to be removed and replaced. Capital Renewal 30 LF 4 \$2,097 Deferred 8,000 SF 4 \$10,265 Maintenance vay from the buildings. Sub Total for System 5 items \$162,507 School and Site Level 5 items \$162,507 Category Qty UoM Priority Repair Cost ADA Compliance 1 Ea. 3 \$5,599 Sub Total for System 1 items \$5,599 Category Qty UoM Priority Repair Cost Deferred 1 Ea. 2 \$220 Maintenance Capital Renewal 40 SF 3 \$1,447 Sub Total for System 2 items \$1,667 Category Qty UoM Priority Repair Cost Deferred 1 Ea. 2 \$220 Capital Renewal 40 SF 3 \$1,447 Sub Total for System 2 items \$1,667 Category Qty UoM Priority Repair Cost Deferred 1 Ea. 3 \$1,074 Deferred 6 LF 3 \$40 Maintenance 1 Ea. 3 \$40 Deferred 6 LF 3 \$40 Deferred 6 LF 3 \$40 Deferred 6 LF 3 \$40

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Interior

Deficiency		Category	Qty	UoM	Priority	Repair Cost	ID
Acoustical Ceiling Tile	Replacement	Capital Rer	newal 20	SF	4	\$60	97
Location:	Rooms 29, 33, office admin area						
Vinyl Composition Tile	Replacement	Capital Rer	newal 75	SF	4	\$547	98
Vinyl Composition Tile	Replacement	Capital Rer	newal 75	SF	4	\$547	99
Vinyl Composition Tile	Replacement	Capital Rer	newal 300	SF	4	\$2,189	723
	VCT cracking in rooms 37, 39, 15, 18, 9, 8, ar VCT. In principal's office, room 1, room 18, ar has rust spots.						
		Sub Total fo	or System 4	items		\$3,344	
Electrical							
Deficiency		Category	Qtv	UoM	Priority	Repair Cost	ID
Public Address Repair		Deferred Maintenand	1	Ea.	2	\$427	103
Note:	PA is not working in room 23.						
Electrical Receptacle F	Replacement	Capital Ren	newal 3	Ea.	3	\$358	102
Note:	Damaged receptacles in Room 31, 46, and m	issing cover in room 13					
Lightning Protection Sy	ystem Installation	Functional I	Deficiency 55,700	SF	3	\$38,813	107
Panel Spacing Cover F	Plate Is Missing	Deferred Maintenand		Ea.	3	\$778	747
Note:	Panels missing blank fillers.		,				
		Sub Total fo	or System 4	items		\$40,375	
Plumbing			Y				
Deficiency		Category	Qty	UoM	Priority	Repair Cost	ID
Urinal Replacement		Capital Ren	newal 6	Ea.	3	\$7,250	101
Note:	Urinals in 1976 addition are obsolete and nee	d to be replaced.					
		Sub Total fo	or System 1	items		\$7,250	
Fire and Life Sa	afetv						
Deficiency		Category	Qtv	UoM	Priority	Repair Cost	ID
Emergency Lighting In:	stallation	Functional I			1	\$38,766	106
Fire Alarm Heat Detect		Functional I		Ea.	1	\$9,174	105
	None in building		•				
Fire Alarm Smoke Dete		Functional I	Deficiency 50	Ea.	1	\$15,201	104
	None in building or classrooms		•				
		Sub Total fo	or System 3	items		\$63,141	
Specialties			-				
Deficiency		Category	Otv	UoM	Priority	Repair Cost	ID
	ed Maximum ADA Height Requirements (Modi			LF	3	\$288	811
	No ADA counter height.	ny i un)	narioe 3		J	Ψ200	011
Repair Cabinetry In Cla		Deferred Maintenand		Room	4	\$864	100
Note:	10 LF of veneer is peeling off in room 5.						
	. 3.	Sub Total fo	or System 2	items		\$1,152	
	Si	ub Total for Building 01 - Elementa	•	items		\$166,238	

Buildings with no reported deficiencies

02 - Gym



St. Martin North Elementary - Life Cycle Summary Yrs 1-10 Site Level Life Cycle Items

Site

Uniformat Description	LC Type Description		Qty UoM	Repair Cost	Remaining Life
Roadway Pavement	Asphalt Driveways		34,500 SF	\$197,959	4
Fences and Gates	Fencing - Chain Link (4 Ft)		1,405 LF	\$59,171	8
Fences and Gates	Fencing - Chain Link (8-10 Ft)		180 LF	\$12,583	8
Parking Lot Pavement	Asphalt		82 CAR	\$106,154	10
		Sub Total for System	4 items	\$375,868	
		Sub Total for Building -	4 items	\$375,868	

Building: 01 - Elementary School

Roofing

Uniformat Description	LC Type Description	Qty	y UOM	Repair Cost	Remaining Life
Low-Slope Roofing	Modified Bitumen	14,700	SF	\$452,087	5
Low-Slope Roofing	Single Ply	33,400) SF	\$1,002,148	5
Canopy Roofing	Metal Awning	5,800) SF	\$209,791	10
		Sub Total for System	items	\$1 664 025	

Exterior

Uniformat Description	LC Type Description		Qty UoM	Repair Cost Remaining Life
Exterior Wall Veneer	Exterior Painting - Bldg SF basis		8,355 SF	\$13,052 5
Exterior Operating Windows	Aluminum - Windows per SF		4,120 SF	\$366,628 5
Exterior Operating Windows	Aluminum - Windows per SF		132 SF	\$11,746 5
Exterior Entrance Doors	Steel - Insulated and Painted		14 Door	\$46,309 8
		Sub Total for System	4 items	\$437,735

Interior

Interior				
Uniformat Description	LC Type Description	Qty	UoM Repair Cost	Remaining Life
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	2,785	SF \$8,392	1
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	2,785	SF \$10,348	3
Resilient Flooring	Vinyl Composition Tile Flooring	30,635	SF \$223,545	3
Wall Painting and Coating	Painting/Staining (Bldg SF)	54,586	SF \$218,255	4
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	13,925	SF \$41,958	4
Carpeting	Carpet	557	SF \$6,292	4
Suspended Plaster and	Painted ceilings	2,785	SF \$5,175	5
Resilient Flooring	Vinyl Composition Tile Flooring	16,710	SF \$121,934	7
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	8,355	SF \$25,175	8
Interior Door Supplementary Components	Door Hardware	118	Door \$156,318	8
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	13,925	SF \$51,742	9
Wood Flooring	Wood Flooring - All Types	1,114	SF \$21,411	10
Resilient Flooring	Vinyl Composition Tile Flooring	5,013	SF \$36,580	10
		Sub Total for System 13	items \$927,126	

Mechanical

Mechanical			
Uniformat Description	LC Type Description	Qty UoM	Repair Cost Remaining Li
Decentralized Cooling	Condenser - Outside Air Cooled (10 Tons)	2 Ea.	\$24,536 4
Decentralized Cooling	Ductless Split System (2 Ton)	15 Ea.	\$63,535 4
Decentralized Cooling	Ductless Split System (3 Ton)	8 Ea.	\$38,724 4
Decentralized Cooling	Ductless Split System (3 Ton)	12 Ea.	\$58,085 4
Decentralized Cooling	Ductless Split System (1 Ton)	14 Ea.	\$37,528 4
Decentralized Cooling	Ductless Split System (2 Ton)	4 Ea.	\$16,943 4
Decentralized Cooling	Heat Pump (3 Ton)	15 Ea.	\$119,226 4
Decentralized Cooling	Window Units	3 Ea.	\$8,259 4
Decentralized Cooling	Heat Pump (3 Ton)	10 Ea.	\$79,484 4
Decentralized Cooling	Heat Pump (3 Ton)	12 Ea.	\$95,381 4
Decentralized Cooling	Heat Pump (1 Ton)	14 Ea.	\$91,925 4
Decentralized Cooling	Heat Pump (3 Ton)	4 Ea.	\$31,794 4
Heating System Supplementary Components	Controls - Electronic (Bldg.SF)	10,000 SF	\$13,807 5
Exhaust Air	Interior Ceiling Exhaust Fan	5 Ea.	\$2,171 5





Mechanical

Backer Counting	wechanicai						
Fam. Coll - DX Cool will-loaner Heart (10 ten) Sub Total for System 16 items \$102.484 Intrical Intrical Intrical Intrinsical	Uniformat Description	LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Sub Total for System 16 Items \$702,464	Decentralized Cooling	, ,		1	Ea.	\$8,899	
Infoical LC Type Description GBy UAM Repair Cost Remaining Life incestigation LC Type Description 55,700 SF \$35,183 4 Fibrures Dating Mounted Fabures (Ea.) 10 Ea. \$80,046 4 Fibrures Lulyle Fibrures (Bulg) Mounted Fabures (Ea.) 3 Ea. \$5,576 5 Fabures Lulyle Fibrures (Bulg) SF) 5,700 SF \$611,456 5 5 51,466 6 Barbithuton Distribution Parelis (460 Amps) 3 Ea. \$45,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 8 8 846,224 4	Decentralized Cooling	Fan Coil - DX Cool w/Electric Heat (10 ton)					8
ACC Type Description LC Type Description CD Type Description			Sub Total for System	16	items	\$702,484	
Description	Electrical						
Fautres Building Moonted Flatures (Ea.) 10 Ea. \$3,046 4 Stribtures Canopy Moonted Flatures (Ea.) 3 Ea. \$3,578 5 Finances Light Flatures (Edg ST) 50,700 5F \$311.450 5 Solvine Switches Switchgear - Main Dist Pariel (2000 Amps) 1 Ea. \$38,425 8 Statistabletion Detroised (Pariel Stripe) 3 Ea. \$42,624 8 Statistabletion Detroised (Pariel Stripe) 3 Ea. \$42,624 8 Statistabletion Panels (Add Amps) 3 Ea. \$42,624 8 Statistabletion Panels (Add Amps) 3 Ea. \$42,603 5 Statistabletion Panels (Add Amps) 4 Ea. \$2,603 5 Statistabletion Panels (Add Amps) 4 Ea. \$2,603 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletion Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013 5 Statistabletics Panels (Add Cale Stripe) 4 Ea. \$11.013	Uniformat Description	LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Fintures	Audio-Video Systems	PA Communications No Head Unit (Bldg SF)		55,700	SF	\$35,183	4
Substance Light Fixtures (Bidgs SF)	Lighting Fixtures	Building Mounted Fixtures (Ea.)		10	Ea.	\$8,046	4
Service Sevichgear - Main Dist Panel (2000 Amps) 1 Ea. \$58,468 8 enterbution Distribution Distribution Distribution Distribution Panels (400 Amps) 3 Ea. \$45,264 8 enterbution Panels (400 Amps) 3 Ea. \$45,264 8 enterbution Panels (400 Amps) 255.4 2 Ea. \$43,007 8 enterbution Panels (400 Amps) 400.6 1 Ea. \$44,007 8 enterbution Panels (400 Amps) 400.6 1 Ea. \$44,007 8 enterbution Panels (400 Amps) 400.6 1 Ea. \$45,007 8 enterbution Panels (400 Amps) 400.6 1 Ea. \$45,002 8 enterbution Panels (400 Amps) 400.6 1 Ea. \$45,002 8 enterbution 4 Ea. \$	Lighting Fixtures	Canopy Mounted Fixtures (Ea.)		3	Ea.	\$5,576	5
Distribution Distribution Parello (400 Amps) 3 Es. \$45,254 8 established Parelboard - 120208 125A 2 Es. \$2,003 8	Lighting Fixtures	Light Fixtures (Bldg SF)		55,700	SF	\$911,456	5
Parelboard - 120208 125A 2 En	Electrical Service	Switchgear - Main Dist Panel (2000 Amps)		1	Ea.	\$58,426	8
Panelboard - 120/2002 225A	Power Distribution	Distribution Panels (400 Amps)					8
Pare	Power Distribution	Panelboard - 120/208 125A		2	Ea.	\$2,603	8
Description Panelboard - 120/240 225A 2 Ea. \$13,962 8 8 8 8 8 6 5 Ea. \$6,520 8 8 8 8 8 8 8 8 8	Power Distribution	Panelboard - 120/208 225A		1	Ea.	\$4,907	8
Public Address System Head End Unit Panelboard - 120/208 100A Panelboard - 120/2	Power Distribution	Panelboard - 120/208 400A		1	Ea.	\$11,013	8
Panelboard - 120/208 100A Sub Total for System 12 items \$1,07,910	Power Distribution	Panelboard - 120/240 225A		2	Ea.	\$13,962	8
Sub Total for System	Distributed Systems	Public Address System Head End Unit		1	Ea.	\$6,520	8
### Action of Carryon Description #### Action of Carryon Description ##### Action of Carryon Description ##### Action of Carryon Description ##### Action of Carryon Description ###################################	Power Distribution	Panelboard - 120/208 100A		2	Ea.	\$4,965	8
at Description			Sub Total for System	12	items	\$1,107,910	
Water Heater - Gas - 300 Gallon	Plumbing						
Fixtures Sink - Service / Mop Sink 4 Ea. \$2,841 4 Fixtures Toilets 41 Ea. \$188,096 4 Fixtures Refrigerated Drinking Fountain 9 Ea. \$117,897 4 Fixtures Refrigerated Drinking Fountain 9 Ea. \$17,887 4 Fixtures Classroom Lavalory 15 Ea. \$34,325 5 Fixtures Ufinals 6 Ea. \$7,260 8 Gas Piping System (BldgSF) 1,000 SF \$30,941 10 to Water Equipment Gas Piping System (BldgSF) 5,700 SF \$178,614 10 to Water Piping Domestic Water Piping System (BldgSF) 5,700 SF \$178,614 10 Sub Total for System 8 terms \$473,177 and Life Safety 8 terms \$473,177 and Life Safety 8 terms \$473,177 at Description LC Type Description Cly UoM Repair Cost Remaining Life System Component Socurity Alarm System 55,700 SF \$114,399 4 ection and Alarm Fire Alarm 55,700 SF \$78,917 6 Sub Total for System 2 terms \$193,316 Sub Total for System 1 terms \$416,262 4 Attached the system 1 terms \$3,922,035 String: 02 - Gym 1 terms \$3,922,035 Sub Total for System 3 terms \$3,922,035 Attached Painter and Painting (Bldg SF) 450 SF \$3,166 10 Total For System 3 terms \$3,166 10 Attached Painter and Painting (Bldg SF) 450 SF \$3,316 10 Attached Painter and Painting (Bldg SF) 450 SF \$3,316 10 Attached Painter and Painting (Bldg SF) 450 SF \$3,316 10 Attached Painting Aller System 3 terms \$5,761 Attached Painting Aller System 4,050 SF \$3,316 10 Attached Painting Aller System 4,050 SF	Uniformat Description	LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Fixtures Toilets At Ea. \$185,096 4 Fixtures Refrigerated Drinking Fountain 9 Ea. \$17,687 4 Fixtures Classroom Lavatory 15 Ea. \$34,325 5 Fixtures Urinals 6 Ea. \$7,250 8 Evaluate Classroom Lavatory 15 Ea. \$34,325 5 Fixtures Urinals 6 Ea. \$7,250 8 Evaluate Equipment Gas Piping System (BidgSF) 1,000 SF \$30,941 10 Evaluate Piping Domestic Water Piping System (BidgSF) 55,700 SF \$178,614 10 Sub Total for System 8 Items \$473,177 Sub Total for System 55,700 SF \$114,399 4 Example Evaluate Eva	Domestic Water Equipment	Water Heater - Gas - 300 Gallon		1	Ea.	\$16,423	3
Fixtures Refrigerated Drinking Fountain 9 Ea. \$17,687 4 q Fixtures Classroom Lavatory 15 Ea. \$34,325 5 5 g Fixtures Urinals 6 Ea. \$7,250 8 6 Ea. \$7,250 8 6 Water Equipment Gas Piping System (BldgSF) 1,000 SF \$30,941 10 10 10 10 10 10 10	Plumbing Fixtures	Sink - Service / Mop Sink		4	Ea.	\$2,841	4
Gristures Classroom Lavatory 15 Ea. \$34,325 5 Gristures Urinals 6 Ea. \$7,250 8 Cwater Equipment Gas Piping System (BldgSF) 1,000 SF \$30,941 10 c Water Equipment Domestic Water Piping System (BldgSF) 5,700 SF \$178,614 10 Sub Total for System 8 items \$473,177 and Life Safety	Plumbing Fixtures	Toilets		41	Ea.	\$185,096	4
Gristures Urinals Gas Piping System (BldgSF) 1,000 SF \$30,941 10 to Water Piping Domestic Water Piping System (BldgSF) 55,700 SF \$178,614 10 to Water Piping Domestic Water Piping System (Bldg.SF) Sub Total for System 8 items \$473,177	Plumbing Fixtures	Refrigerated Drinking Fountain		9	Ea.	\$17,687	4
Communication Communicatio	Plumbing Fixtures	Classroom Lavatory		15	Ea.	\$34,325	5
Domestic Water Piping Domestic Water Piping System (Bldg.SF) Sub Total for System 8 items \$473,177	Plumbing Fixtures	Urinals		6	Ea.	\$7,250	8
Sub Total for System 8 items \$473,177 and Life Safety at Description	Domestic Water Equipment	Gas Piping System (BldgSF)		1,000	SF	\$30,941	10
and Life Safety at Description LC Type Description Security Alarm System Fire Alarm Fire Alarm Sub Total for System Tick The Cabinetry The Cabinetry Sub Total for System Tick The Cabinetry The Cabinetry Sub Total for System Tick The Cabinetry The Cabinetry Sub Total for System Tick The Cabinetry The Cabinetry The Cabinetry The Cabinetry Sub Total for System Tick The Cabinetry The C	Domestic Water Piping	Domestic Water Piping System (Bldg.SF)		55,700	SF	\$178,614	10
at Description LC Type Description System Component Security Alarm System 55,700 SF \$114,399 4 ection and Alarm Fire Alarm Sub Total for System 2 items \$193,316 Stallties Stallties at Description LC Type Description Otto Sub Total for System 1 items \$416,262 4 Sub Total for System 1 items \$416,262 4 Sub Total for System 1 items \$416,262 4 Sub Total for System 1 items \$416,262 5 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Stallties at Description LC Type Description Otto Sub Total for System 1 items Sub Total for System 1 items Sub Total for System Sub Spain Sub System Sub System Sub Spain Sub System Sub Spain Sub System Sub Spain Sub System Sub System Sub System Sub System Sub Spain			Sub Total for System	8	items	\$473,177	
at Description LC Type Description System Component Security Alarm System 55,700 SF \$114,399 4 ection and Alarm Fire Alarm Sub Total for System 2 items \$193,316 Stallties Stallties at Description LC Type Description Otto Sub Total for System 1 items \$416,262 4 Sub Total for System 1 items \$416,262 4 Sub Total for System 1 items \$416,262 4 Sub Total for System 1 items \$416,262 5 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Stallties at Description LC Type Description Otto Sub Total for System 1 items Sub Total for System 1 items Sub Total for System Sub Spain Sub System Sub System Sub Spain Sub System Sub Spain Sub System Sub Spain Sub System Sub System Sub System Sub System Sub Spain	Fire and Life Safety						
System Component section and Alarm Fire Alarm System 55,700 SF \$78,917 6 Sub Total for System 2 items \$193,316 Cialties City UoM Repair Cost Remaining Life Sub Total for System City UoM Repair Cost Remaining Life Sub Total for Building 01 - Elementary School City UoM Repair Cost Remaining Life Sub Total for Building 01 - Elementary School City UoM Repair Cost Remaining Life Sub Total for System City UoM Repair Cost Remaining Life Sub Total for System City UoM Repair Cost Remaining Life Sub Total for System City UoM Repair Cost Remaining Life City UoM Repair Cost Remainin	Uniformat Description	LC Type Description		Otv	LIoM	Renair Cost	Remaining Life
Sub Total for System 55,700 SF \$78,917 6 Sub Total for System 2 items \$193,316 Sub Total for System 2 items \$193,316 Sub Total for System 2 items \$193,316 Sub Total for System 53 Room \$416,262 4 Sub Total for System 1 items \$416,262 4 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for System 450 SF \$1,799 4 Idea Plaster and Painted ceilings 450 SF \$3,126 10 Sub Total for System 3 items \$5,761 Sub Total for System 3 items \$5,761 Sub Total for System 1 items \$6,213 10 System Supplementary Controls - Electronic (Bidg.SF) 4,500 SF \$6,213 10 Sub Total for System 1 items \$6,213							
Sub Total for System 2 items \$193,316 Stal Description LC Type Description Qty UoM Repair Cost Remaining Life rick Fixed Cabinetry Sub Total for System 1 items \$416,262 4 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sing: 02 - Gym ior at Description LC Type Description Qty UoM Repair Cost Remaining Life riting and Coating Painting/Staining (Bldg SF) 450 SF \$1,799 4 ded Plaster and Painted ceilings 450 SF \$83,6 8 all Suspended Ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 Sub Total for System 3 items \$5,761 hanical at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary Controls - Electronic (Bldg.SF) 4,500 SF \$6,213 10 Sub Total for System 1 items \$6,213	Fire Detection and Alarm						
Stallties at Description LC Type Description rk Fixed Cabinetry Sub Total for System Sub Total for System at Description LC Type Description Sub Total for Building 01 - Elementary School Sub Total for System Sub Total fo	The Beloston and Alam	The Additi	Sub Total for System				· ·
at Description LC Type Description Remaining Life Sub Total for System Sub Total for Building 01 - Elementary School Sub Total for System At Description LC Type Description LC Type Description At Descrip	Consisting			_		\$100,010	
Sub Total for System 1 items \$416,262 4 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sing: 02 - Gym ior at Description LC Type Description Qty UoM Repair Cost Integrated Cellings Painting/Staining (Bldg SF) 450 SF \$1,799 4 ded Plaster and Painted ceilings 450 SF \$836 8 al Suspended Ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 Sub Total for System 3 items \$5,761 hanical at Description LC Type Description Qty UoM Repair Cost Remaining Life Sub Total for System 3 items \$5,761 Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213	Specialties						
Sub Total for System 1 items \$416,262 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for Building 01 - Elementary School 59 items \$5,922,036 Sub Total for System 450 SF Sub Total for System 3 items \$5,761 Sub Total for System 3 items \$5,761 System Supplementary	Uniformat Description						
Sub Total for Building 01 - Elementary School 59 items \$5,922,036 ding: 02 - Gym ior at Description	Casework	Fixed Cabinetry					4
ior at Description LC Type Description Qty UoM Repair Cost Remaining Life inting and Coating Painting/Staining (Bldg SF) 450 SF \$1,799 4 Ided Plaster and Painted ceilings 450 SF \$836 8 Ival Suspended Ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 Sub Total for System 3 items \$5,761 Inanical at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary LC Type Description Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213			•	1	items		
ior at Description LC Type Description Qty UoM Repair Cost Remaining Life Inting and Coating Painting/Staining (Bldg SF) 450 SF \$1,799 4 ded Plaster and Painted ceilings 450 SF \$836 8 and Suspended Ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 sub Total for System 3 items \$5,761 sub Description Actions Controls - Electronic (Bldg.SF) 4,500 SF \$6,213 10 sub Total for System Supplementary Intents Sub Total for System 1 items \$6,213 10 sub Total for System 1 items \$6,213		Sub Total for Building	01 - Elementary School	59	items	\$5,922,036	
ior at Description LC Type Description Qty UoM Repair Cost Remaining Life Inting and Coating Painting/Staining (Bldg SF) 450 SF \$1,799 4 ded Plaster and Painted ceilings 450 SF \$836 8 and Suspended Ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 sub Total for System 3 items \$5,761 sub Description Actions Controls - Electronic (Bldg.SF) 4,500 SF \$6,213 10 sub Total for System Supplementary Intents Sub Total for System 1 items \$6,213 10 sub Total for System 1 items \$6,213	Building: 02 - Gym						
LC Type Description	-						
Inting and Coating Painting/Staining (Bldg SF) 450 SF \$1,799 4 Ided Plaster and Painted ceilings 450 SF \$836 8 Ided Plaster and Painted ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 Sub Total for System 3 items \$5,761 Annical at Description Ctrype Description Qty UoM Repair Cost Remaining Life System Supplementary lents Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213	Interior						
ded Plaster and Painted ceilings Ceiling Exposed Metal Structure 4,050 SF \$3,126 10 Sub Total for System 3 items \$5,761 Annical at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary lents Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213	Uniformat Description	LC Type Description		Qty	UoM	Repair Cost	Remaining Life
Sub Total for System Supplementary Controls - Electronic (Bldg.SF) Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213 10	Wall Painting and Coating	Painting/Staining (Bldg SF)		450	SF	\$1,799	4
Sub Total for System 3 items \$5,761 hanical at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary Controls - Electronic (Bldg.SF) 4,500 SF \$6,213 10 Sub Total for System 1 items \$6,213	Suspended Plaster and	Painted ceilings		450	SF	\$836	8
hanical at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary nents Sub Total for System 1 items \$6,213 10	Acoustical Suspended Ceilings	Ceiling Exposed Metal Structure		4,050	SF	\$3,126	10
at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary lents Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213 10			Sub Total for System	3	items	\$5,761	
at Description LC Type Description Qty UoM Repair Cost Remaining Life System Supplementary lents Sub Total for System 1 items \$6,213 10 Sub Total for System 1 items \$6,213 10							
System Supplementary Controls - Electronic (Bldg.SF) 4,500 SF \$6,213 10 electronic Sub Total for System 1 items \$6,213 10 electronic Sub Total for System 1 items \$6,213 electronic Sub Total for System 1 items \$6,2	Mechanical						Remaining Life
Sub Total for System 1 items \$6,213		LC Type Description		Qtv	UoM	Repair Cost	
nbing	Uniformat Description						
_							
_	Uniformat Description Heating System Supplementary		Sub Total for System	4,500	SF	\$6,213	
	Uniformat Description Heating System Supplementary Components		Sub Total for System	4,500	SF	\$6,213	
	Uniformat Description Heating System Supplementary Components Plumbing	Controls - Electronic (Bldg.SF)	Sub Total for System	4,500 1	SF items	\$6,213 \$6,213	10
	Uniformat Description Heating System Supplementary Components Plumbing Uniformat Description	Controls - Electronic (Bldg.SF) LC Type Description	Sub Total for System	4,500 1 Qty	SF items	\$6,213 \$6,213 Repair Cost	10 Remaining Life
							Rem
1 La. \$1,410 0	Uniformat Description Heating System Supplementary Components Plumbing	Controls - Electronic (Bldg.SF)	Sub Total for System	4,500 1 Qty	SF items	\$6,213 \$6,213	10

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Fire and Life Safety

Uniformat Description	LC Type Description		Qty UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm		4,500 SF	\$6,376	9
		Sub Total for System	1 items	\$6,376	
		Sub Total for Building 02 - Gym	6 items	\$19,766	
		Total for: St. Martin North Elementary	69 items	\$6,317,670	



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Supporting Photos



Failing asphalt in west parking area



Sidewalk failure to the west of the northeast wing



Sidewalk to west parking lot being undermined



Gym building exterior



Dirty window sills



Failing caulk joints

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Jackson CS - St. Martin North Elementary





Stained and peeling VCT



Peeling veneer at classroom casework



Rusted canopy and structure



Water damaged soffit paneling



Dirty coping and rusted metal soffit trim



St. Martin North ES