



FACILITY CONDITION ASSESSMENT

Bowie HS | February 2022



Executive Summary

Bowie HS is located at 4103 W Slaughter Ln in Austin, Texas. The oldest building is 32 years old (at time of 2020 assessment). It comprises 425,684 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 \$20,669,910. 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 Bowie HS the ten-year need is \$72,161,159.

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 Bowie HS facility has a 5-year FCA score of 65.14%.

Summary of Findings

The table below summarizes the condition findings at Bowie HS

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 Site								
	Exterior Site	\$3,479,235	\$709,740	\$2,848,133	\$4,188,975	\$7,037,108	\$0	
Permanent Building(s)								
013A	Administrative Building	\$706,021	\$907,146	\$859,110	\$1,613,167	\$2,472,277	\$4,809,929	66.46%
013B	Stand-Alone Classroom Building (has some Science Clsrms)	\$7,998,507	\$18,605,622	\$12,459,030	\$26,604,129	\$39,063,159	\$87,738,910	69.68%
013C	Greenhouse	\$7,592	\$34,006	\$11,608	\$41,598	\$53,206	\$37,013	-12.39%
013D	Greenhouse	\$12,324	\$50,337	\$1,083	\$62,661	\$63,744	\$53,301	-17.56%
013E	Vocational / Art / Shop Building	\$1,752,301	\$1,084,437	\$1,159,701	\$2,836,738	\$3,996,439	\$9,057,653	68.68%
013F	Mechanical Building	\$207,940	\$1,515,920	\$136,220	\$1,723,860	\$1,860,080	\$1,793,666	3.89%
013G	Stand-Alone Cafeteria, Gym, Theater	\$6,505,991	\$6,085,195	\$5,023,961	\$12,591,186	\$17,615,147	\$38,982,100	67.70%
Sub Total for Permanent Building(s):		\$17,190,675	\$28,282,663	\$19,650,713	\$45,473,338	\$65,124,051	\$142,472,570	
Total for Site:		\$20,669,910	\$28,992,403	\$22,498,846	\$49,662,313	\$72,161,159	\$142,472,570	65.14%

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)

System	Priority					Total	% of Total
	1	2	3	4	5		
Site	\$0	\$0	\$0	\$594,225	\$2,872,100	\$3,466,325	16.77 %
Roofing	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Structural	\$12,910	\$0	\$0	\$0	\$0	\$12,910	0.06 %
Exterior	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Interior	\$0	\$0	\$140,114	\$578,028	\$54,510	\$772,652	3.74 %
Mechanical	\$0	\$149,194	\$107,963	\$909,215	\$41,711	\$1,208,083	5.84 %
Electrical	\$0	\$830,652	\$7,820,605	\$0	\$0	\$8,651,257	41.85 %
Plumbing	\$0	\$0	\$546,268	\$0	\$0	\$546,268	2.64 %
Fire and Life Safety	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Conveyances	\$0	\$0	\$0	\$0	\$0	\$0	0.00 %
Specialties	\$0	\$0	\$0	\$234,408	\$0	\$234,408	1.13 %
Crawlspace	\$0	\$0	\$0	\$0	\$5,778,007	\$5,778,007	27.95 %
Total:	\$12,910	\$979,846	\$8,614,951	\$2,315,876	\$8,746,327	\$20,669,910	

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

Electrical	-	\$8,651,257
Site	-	\$3,466,325
Mechanical	-	\$1,208,083

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

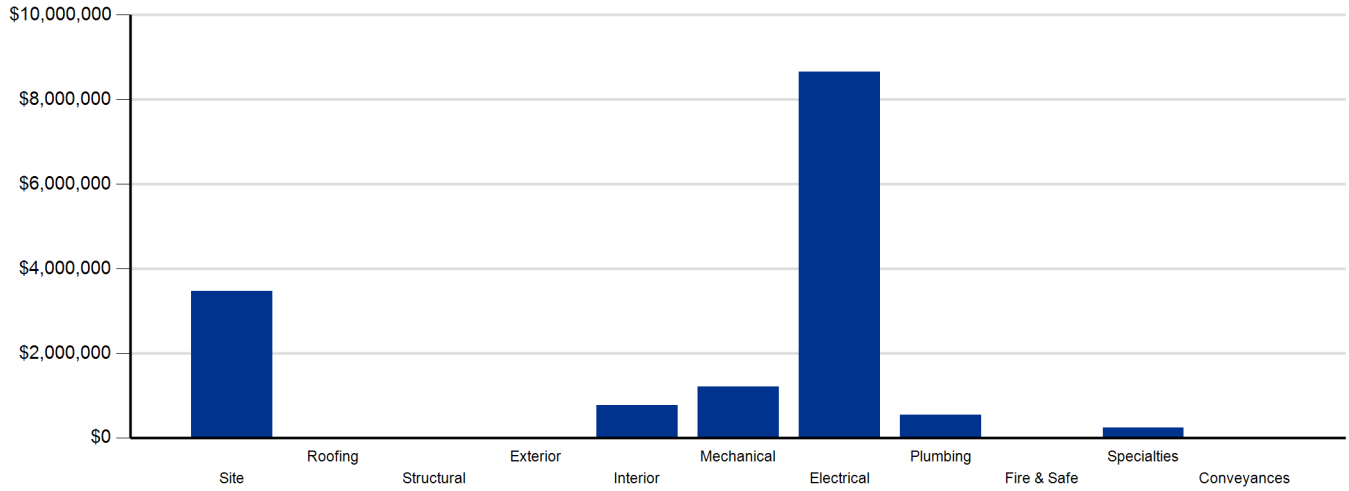


Figure 1: System Deficiencies

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)

System	Life Cycle Capital Renewal Projections					Total 1-5
	Year 1 2023	Year 2 2024	Year 3 2025	Year 4 2026	Year 5 2027	
Site	\$0	\$0	\$0	\$348,788	\$11,772	\$360,560
Roofing	\$0	\$0	\$0	\$0	\$0	\$0
Exterior	\$8,639,575	\$0	\$0	\$0	\$999,737	\$9,639,312
Interior	\$0	\$1,059,313	\$1,685,970	\$681,939	\$2,809,237	\$6,236,459
Mechanical	\$0	\$0	\$2,009,113	\$89,414	\$4,957,782	\$7,056,309
Electrical	\$0	\$0	\$0	\$313,854	\$774,313	\$1,088,167
Plumbing	\$0	\$0	\$32,693	\$1,286,023	\$594,895	\$1,913,611
Fire and Life Safety	\$0	\$0	\$680,314	\$0	\$6,009	\$686,323
Conveyances	\$0	\$0	\$0	\$0	\$7,985	\$7,985
Specialties	\$0	\$0	\$985,810	\$411,951	\$2,052,324	\$3,450,085
Crawlspace	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$8,639,575	\$1,059,313	\$5,393,900	\$3,131,969	\$12,214,054	\$30,438,811

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

System	Life Cycle Capital Renewal Projections						Total 6-10	Total 1-10
	Total 1-5	Year 6 2028	Year 7 2029	Year 8 2030	Year 9 2031	Year 10 2032		
Site	\$360,560	\$0	\$0	\$602,892	\$0	\$544,051	\$1,146,943	\$1,507,503
Roofing	\$0	\$0	\$0	\$0	\$0	\$1,701,190	\$1,701,190	\$1,701,190
Exterior	\$9,639,312	\$0	\$0	\$0	\$0	\$0	\$0	\$9,639,312
Interior	\$6,236,459	\$157,606	\$0	\$193,663	\$829,588	\$1,095,029	\$2,275,886	\$8,512,345
Mechanical	\$7,056,309	\$0	\$0	\$136,220	\$0	\$923,297	\$1,059,517	\$8,115,826
Electrical	\$1,088,167	\$0	\$0	\$0	\$0	\$551,602	\$551,602	\$1,639,769
Plumbing	\$1,913,611	\$2,971	\$0	\$0	\$0	\$16,486,980	\$16,489,950	\$18,403,560
Fire and Life Safety	\$686,323	\$0	\$0	\$0	\$0	\$0	\$0	\$686,323
Conveyances	\$7,985	\$0	\$0	\$0	\$0	\$0	\$0	\$7,985
Specialties	\$3,450,085	\$0	\$0	\$0	\$0	\$0	\$0	\$3,450,085
Crawlspace	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$30,438,811	\$160,577	\$0	\$932,775	\$829,588	\$21,302,146	\$23,225,086	\$53,663,898

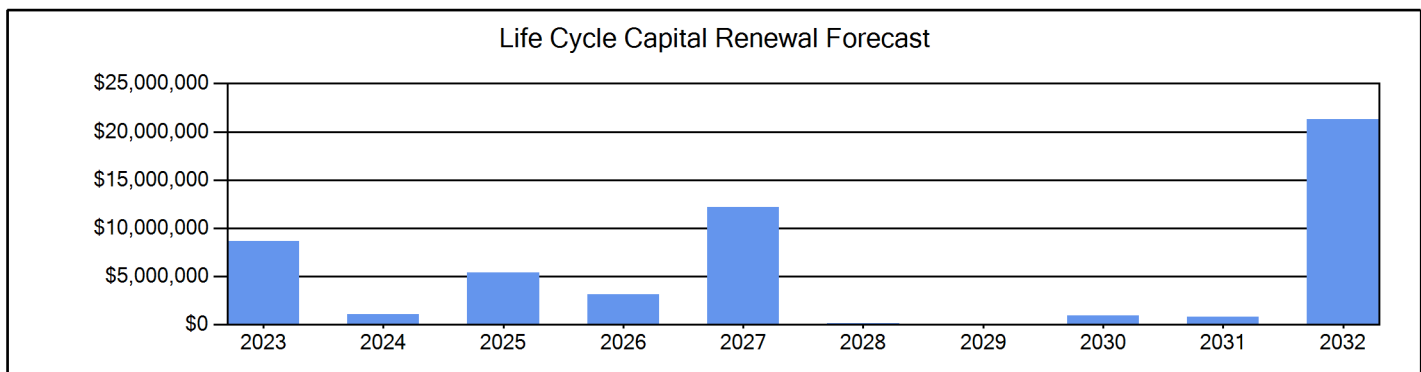


Figure 2: Ten Year Capital Renewal Forecast

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.

$$FCAS = 100 - (\text{Total Repair Cost} / \text{Replacement Cost})$$

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.

- Very Unsatisfactory (0-35)
- Unsatisfactory (36-50)
- Average (51-65)
- Satisfactory (66-80)
- Very Satisfactory (81-100)

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 \$142,472,570. For planning purposes, the total 5-year need at the Bowie HS is \$49,662,313 (Life Cycle Years 1-5 plus the FCA deficiency cost). The Bowie HS facility has a 5-year FCA of 65.14%.

5-Year Need vs. Replacement

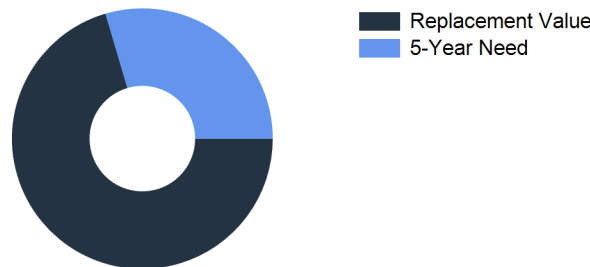


Figure 3: 5-Year FCA

Bowie HS - Deficiency Summary

Site Level Deficiencies

Site

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Tennis Courts, Nets, And Equipment Replacement	Capital Renewal	8	Ea.	4	\$594,225	2478
Note: Beyond useful life						
PROGRAM DEFICIENCIES	ADA Compliance	895,448	EACH	5	\$1,537,467	4160
PUBLIC DEFICIENCIES	ADA Compliance	294,348	EACH	5	\$505,390	4159
TAS ACCESSIBILITY DEFICIENCIES	ADA Compliance	445,094	EACH	5	\$764,218	4161
Wheel Stop Replacement	Deferred Maintenance	375	Ea.	5	\$65,026	2479
Note: Damaged						
Location: Site wide						
Sub Total for System		5	items		\$3,466,325	

Structural

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Structural Study Recommended	Deferred Maintenance	2	Job	1	\$12,910	6528
Note: Structural study to detail scope of work based on the 2017 crawlspace deficiencies provided by AISD						
Sub Total for System		1	items		\$12,910	
Sub Total for School and Site Level		6	items		\$3,479,235	

Building: 013A - Administrative Building

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Electrical Transformer Replacement	Capital Renewal	1	Ea.	2	\$5,519	2483
Note: End of Life/Old HFG						
Panelboard Replacement	Capital Renewal	2	Ea.	2	\$5,564	2484
Note: End of life / old MFG						
Panelboard Replacement	Capital Renewal	1	Ea.	2	\$9,372	2485
Note: End of life						
Canopy Lighting Replacement	Capital Renewal	7	Ea.	3	\$14,581	2486
Note: End of Life						
Lighting Fixtures Replacement	Capital Renewal	14,646	SF	3	\$268,586	2487
Note: End of life						
Location: building wide						
Sub Total for System		5	items		\$303,622	

Crawlspace

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	69,596	Ea.	5	\$81,765	6478
Note: CRAWL SPACE ACCESS/VENTILATION - Improve drainage 1 LS						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	125,273	Ea.	5	\$147,177	6479
Note: CRAWL SPACE ACCESS/VENTILATION - Improve ventilation 1 LS						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	9,743	Ea.	5	\$11,447	6480
Note: CRAWL SPACE, EQUIPMENT - Repair junction box 1 LS						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	40,463	Ea.	5	\$47,538	6481
Note: CRAWL SPACE, SPRAY FIREPROOFING - replace fireproofing, 25%						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	97,435	Ea.	5	\$114,472	6507
Note: CRAWL SPACE, EXPOSED PIPES - Repair rusted pipes, hangers and missing insulation 1 LS						
Sub Total for System		5	items		\$402,398	
Sub Total for Building 013A - Administrative Building		10	items		\$706,021	

Building: 013B - Stand-Alone Classroom Building (has some Science Clsrms)
Interior

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Interior Door Hardware Replacement Note: Damaged Location: building wide	Capital Renewal	35	Door	3	\$51,961	2565
Interior Door Replacement Note: beyon useful life Location: building wide	Capital Renewal	32	Door	3	\$60,019	2564
Plaster Ceiling Replacement Note: Repairs are needed Location: Hallways second floor	Capital Renewal	57,443	SF	4	\$111,977	2560
Sub Total for System		3 items			\$223,957	

Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Large Diameter Exhausts/Hoods Replacement Note: Post Life	Capital Renewal	10	Ea.	3	\$80,362	2619
Chemistry Lab Fume Hood(s) Replacement Note: non operational Location: Building wide	Capital Renewal	23	Ea.	4	\$406,070	2620
Kitchen Air/Exhaust Replacement	Capital Renewal	2	Ea.	4	\$21,097	2618
Duct Register Replacement Location: Louvers above classrooms	Deferred Maintenance	100	Ea.	5	\$41,711	2617
Sub Total for System		4 items			\$549,240	

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Distribution Panel Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$25,176	2573
Distribution Panel Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$25,176	2574
Electrical Transformer Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$18,241	2571
Electrical Transformer Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$75,780	2572
Panelboard Replacement Note: End of Life	Capital Renewal	24	Ea.	2	\$66,769	2575
Panelboard Replacement Note: End of Life	Capital Renewal	5	Ea.	2	\$27,498	2576
Panelboard Replacement Note: End of Life	Capital Renewal	6	Ea.	2	\$74,050	2577
Panelboard Replacement Note: End of Life	Capital Renewal	11	Ea.	2	\$30,602	2578
Panelboard Replacement Note: End of Life	Capital Renewal	4	Ea.	2	\$21,998	2579
Panelboard Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$13,891	2580
Canopy Lighting Replacement Note: End of Life	Capital Renewal	8	Ea.	3	\$16,664	2611
Exterior Mounted Building Lighting Replacement Note: End of Life	Capital Renewal	6	Ea.	3	\$5,410	2612
Lighting Fixtures Replacement Note: End of life	Capital Renewal	267,178	SF	3	\$4,899,655	2613
Sub Total for System		13 items			\$5,300,908	

Plumbing

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Backflow Preventer Replacement Note: Post Life Expectancy	Capital Renewal	267	Ea.	3	\$234,560	2614
Backflow Preventer Replacement Note: Post Life Expectancy	Capital Renewal	149	Ea.	3	\$311,709	2615
Sub Total for System		2 items			\$546,268	

Specialties

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Metal Student Lockers Replacement Note: old/rusted/damaged Location: Building wide	Capital Renewal	440	Ea.	4	\$234,408	2566
Sub Total for System		1 items			\$234,408	

Crawlspace

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: SOIL/DRAINAGE BELOW BUILDING - Improve drainage 1 LS	Deferred Maintenance	153,112	Ea.	5	\$179,884	6483
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE ACCESS/VENTILATION - Improve ventilation 1 LS	Deferred Maintenance	210,180	Ea.	5	\$246,930	6484
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE ACCESS/VENTILATION - Improve ventilation	Deferred Maintenance	210,180	Ea.	5	\$246,930	6485
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: SUSPENDED FLOOR SLABS - repair mild honeycombing & reinforcement 33,649 GSF	Deferred Maintenance	93,674	Ea.	5	\$110,053	6486
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE, EXPOSED PIPES - Repair rusted pipes, hangers and missing insulation 1 LS	Deferred Maintenance	127,779	Ea.	5	\$150,121	6487
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE, EQUIPMENT - Replace old and outdated equipment 1 LS	Deferred Maintenance	15,311	Ea.	5	\$17,988	6488
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE, SPRAY FIREPROOFING - replace fireproofing, 25% 33,649	Deferred Maintenance	93,674	Ea.	5	\$110,053	6489
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE, EXPOSED PIPES - Repair rusted pipes and hangers 1 LS	Deferred Maintenance	69,596	Ea.	5	\$81,765	6492
Sub Total for System		8 items			\$1,143,724	
Sub Total for Building 013B - Stand-Alone Classroom Building (has some Science Clsrms)		31 items			\$7,998,507	

Building: 013C - Greenhouse
Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Gas Unit Heater Replacement Note: Post life	Capital Renewal	1	Ea.	2	\$2,861	2622
Wall Exhaust Fan Ventilation Replacement Note: Post Life	Capital Renewal	1	Ea.	4	\$4,731	2624
Sub Total for System		2 items			\$7,592	
Sub Total for Building 013C - Greenhouse		2 items			\$7,592	

Building: 013D - Greenhouse
Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Gas Unit Heater Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$2,861	2625
Wall Exhaust Fan Ventilation Replacement	Capital Renewal	2	Ea.	4	\$9,463	2626

Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Note: Post Life						
Sub Total for System		2	items		\$12,324	
Sub Total for Building 013D - Greenhouse		2	items		\$12,324	

Building: 013E - Vocational / Art / Shop Building
Interior

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Acoustical Ceiling Tile Replacement Note: Damaged and stained need to be replaced Location: Building Wide	Capital Renewal	2,000	SF	4	\$6,754	2632
Metal Interior Door Replacement Note: Beyond useful life Location: Building wide	Capital Renewal	11	Door	4	\$31,832	2634
Metal Interior Door Replacement Note: Beyond useful life Location: Building wide	Capital Renewal	14	Door	4	\$40,513	2635
Toilet Partition Replacement Note: Beyond useful life	Capital Renewal	4	Stall	4	\$8,066	2633
Interior Ceiling Repainting Note: Damaged needs repair Location: Building wide	Deferred Maintenance	3,500	SF	5	\$7,289	2631
Sub Total for System		5	items		\$94,454	

Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Air Handler HVAC Component Replacement Note: Post life	Capital Renewal	2	Ea.	2	\$86,327	2655
Fan Coil (Chilled Water) HVAC Component Replacement Note: Post life	Capital Renewal	9	Ea.	2	\$51,424	2654
Gas Unit Heater Replacement Note: Post life	Capital Renewal	2	Ea.	2	\$5,722	2652
Existing Controls Are Obsolete Note: Upgrade to DDC	Capital Renewal	27,582	SF	4	\$94,297	2653
Sub Total for System		4	items		\$237,769	

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Distribution Panel Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$18,564	2639
Electrical Transformer Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$5,919	2637
Electrical Transformer Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$75,780	2638
Panelboard Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$2,782	2642
Panelboard Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$1,459	2643
Panelboard Replacement Note: End of life	Capital Renewal	2	Ea.	2	\$10,999	2644
Panelboard Replacement Note: End of Life	Capital Renewal	4	Ea.	2	\$49,366	2645
Panelboard Replacement Note: End of Life	Capital Renewal	2	Ea.	2	\$15,646	2646
Switchgear Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$55,918	2636

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Canopy Lighting Replacement Note: End of Life	Capital Renewal	2	Ea.	3	\$4,166	2647
Exterior Mounted Building Lighting Replacement Note: End of Life	Capital Renewal	2	Ea.	3	\$1,803	2648
Lighting Fixtures Replacement Note: End of Life	Capital Renewal	27,582	SF	3	\$505,814	2651
Sub Total for System		12	items		\$748,216	

Crawlspace

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: SOIL/DRAINAGE BELOW BUILDING - Improve drainage 1 LS	Deferred Maintenance	97,435	Ea.	5	\$114,472	6493
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE ACCESS/VENTILATION - Improve ventilation 1 LS	Deferred Maintenance	125,273	Ea.	5	\$147,177	6494
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE, EXPOSED PIPES - Repair rusted pipes and hangers 1 LS	Deferred Maintenance	69,596	Ea.	5	\$81,765	6495
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD Note: CRAWL SPACE, SPRAY FIREPROOFING - replace fireproofing	Deferred Maintenance	279,565	Ea.	5	\$328,447	6496
Sub Total for System		4	items		\$671,861	
Sub Total for Building 013E - Vocational / Art / Shop Building		25	items		\$1,752,301	

Building: 013F - Mechanical Building
Interior

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Epoxy Flooring Repair Or Replacement Note: Beyond useful life	Deferred Maintenance	218	SF	4	\$2,628	2657
Interior Ceiling Repainting Note: Beyond useful life	Deferred Maintenance	5,461	SF	5	\$11,373	2656
Sub Total for System		2	items		\$14,001	

Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Air Compressor Replacement Note: Post life	Capital Renewal	1	Ea.	3	\$13,219	2665
Circulation Pump Replacement Note: Not connected	Capital Renewal	1	Ea.	3	\$14,381	2666
Sub Total for System		2	items		\$27,601	

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Distribution Panel Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$18,564	2660
Electrical Transformer Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$5,519	2659
Motor Control Center Replacement Note: End of Life	Capital Renewal	1	Ea.	2	\$1,837	2658
Panelboard Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$2,782	2661
Panelboard Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$9,372	2662
Panelboard Replacement Note: End of life	Capital Renewal	3	Ea.	2	\$28,117	2663
Lighting Fixtures Replacement	Capital Renewal	5,461	SF	3	\$100,147	2664

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Note: End of life						
Sub Total for System		7	items		\$166,338	
Sub Total for Building 013F - Mechanical Building		11	items		\$207,940	

Building: 013G - Stand-Alone Cafeteria, Gym, Theater
Interior

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Interior Door Replacement Note: Damaged Location: Building wide	Capital Renewal	15	Door	3	\$28,134	2673
Carpet Flooring Replacement Note: Beyond useful life Location: Building wide	Capital Renewal	15,297	SF	4	\$193,663	2669
Metal Interior Door Replacement Note: Damaged Location: Building wide	Capital Renewal	10	Door	4	\$28,938	2671
Metal Interior Door Replacement Note: Damaged Location: Building wide	Capital Renewal	10	Door	4	\$28,938	2672
Plaster Ceiling Replacement Note: Repairs needed in 10% of plaster ceiling Location: Building wide	Capital Renewal	26,224	SF	4	\$51,120	2667
Vinyl Composition Tile Replacement Note: Damaged and beyond useful life Location: Building wide	Capital Renewal	9,000	SF	4	\$73,599	2670
Interior Wall Repainting (Bldg SF) Note: Damaged and stained Location: Building wide	Capital Renewal	8,000	SF	5	\$35,847	2668
Sub Total for System		7	items		\$440,240	

Mechanical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Existing Controls Are Obsolete Note: Upgrade to DDC Location: Building wide	Capital Renewal	109,266	SF	4	\$373,557	2682
Sub Total for System		1	items		\$373,557	

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Distribution Panel Replacement Note: End of life	Capital Renewal	2	Ea.	2	\$35,605	2675
Electrical Transformer Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$18,241	2674
Panelboard Replacement Note: End of life	Capital Renewal	3	Ea.	2	\$8,346	2676
Panelboard Replacement Note: End of life	Capital Renewal	3	Ea.	2	\$16,499	2677
Panelboard Replacement Note: End of life	Capital Renewal	2	Ea.	2	\$24,683	2678
Panelboard Replacement Note: End of life	Capital Renewal	4	Ea.	2	\$11,128	2679
Panelboard Replacement Note: End of life	Capital Renewal	1	Ea.	2	\$13,891	2680
Lighting Fixtures Replacement	Capital Renewal	109,266	SF	3	\$2,003,779	2681

Electrical

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
Note: End of life						
Sub Total for System		8	items		\$2,132,172	

Crawlspace

Deficiency	Category	Qty	UoM	Priority	Repair Cost	ID
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	126,943	Ea.	5	\$149,139	6497
Note: SOIL/DRAINAGE BELOW BUILDING - Improve drainage						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	139,192	Ea.	5	\$163,530	6498
Note: CRAWL SPACE ACCESS/VENTILATION - Improve ventilation 1 LS						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	25,055	Ea.	5	\$29,436	6499
Note: CRAWL SPACE ACCESS/VENTILATION - repair access 3 EA						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	123,533	Ea.	5	\$145,133	6500
Note: SPECIAL FOUNDATIONS - repair mild honeycombing 1,775 LF						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	219,769	Ea.	5	\$258,196	6501
Note: SUSPENDED FLOOR BEAMS - repair mild honeycombing & reinforcement						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	879,074	Ea.	5	\$1,032,781	6502
Note: SUSPENDED FLOOR SLABS - repair honeycombing, severe spalling & reinforcement						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	879,074	Ea.	5	\$1,032,781	6503
Note: SUSPENDED FLOOR SLABS - repair honeycombing, severe spalling & reinforcement						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	41,758	Ea.	5	\$49,059	6504
Note: CRAWL SPACE, EXPOSED DUCTWORK - Repair ductwork						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	9,743	Ea.	5	\$11,447	6505
Note: CRAWL SPACE, EQUIPMENT - Repair junction box 1 LS						
CRAWL SPACE DEFICIENCIES - Estimate and Info by AISD	Deferred Maintenance	586,050	Ea.	5	\$688,521	6506
Note: CRAWL SPACE, SPRAY FIREPROOFING - replace fireproofing, 50% 105,259 GSF						
Sub Total for System		10	items		\$3,560,023	
Sub Total for Building 013G - Stand-Alone Cafeteria, Gym, Theater		26	items		\$6,505,991	
Total for Campus		113	items		\$20,669,910	

Bowie HS - Life Cycle Summary Yrs 1-10

Site Level Life Cycle Items

Site

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fences and Gates	Fencing - Chain Link (4 Ft)	7,390	LF	\$348,788	4
Fences and Gates	Fencing - Ornamental, Iron	150	LF	\$11,772	5
Pedestrian Pavement	Sidewalks - Concrete	53,225	SF	\$602,892	8
Parking Lot Pavement	Asphalt	375	CAR	\$544,051	10
Sub Total for System		4	items	\$1,507,503	

Roofing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Canopy Roofing	Steel panels	33,531	SF	\$1,701,190	10
Sub Total for System		1	items	\$1,701,190	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Parking Lot Lighting	Pole Lighting	60	Ea.	\$349,180	5
Sub Total for System		1	items	\$349,180	
Sub Total for Building -		6	items	\$3,557,872	

Building: 013A - Administrative Building

Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Operating Windows	Aluminum - Windows per SF	1,170	SF	\$116,680	1
Exterior Operating Windows	Steel - Windows per SF	1,560	SF	\$225,485	1
Exterior Operating Windows	Steel - Windows per SF	448	SF	\$64,755	1
Exterior Entrance Doors	Steel - Insulated and Painted	10	Door	\$37,070	1
Exterior Wall Veneer	Metal Panel - Bldg SF basis	7,323	SF	\$26,158	5
Sub Total for System		5	items	\$470,149	

Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	13,621	SF	\$45,995	3
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	13,621	SF	\$56,721	5
Suspended Plaster and	Painted ceilings	732	SF	\$1,524	5
Wall Painting and Coating	Painting/Staining (Bldg SF)	10,985	SF	\$49,223	5
Compartments and Cubicles	Toilet Partitions	5	Stall	\$10,082	5
Interior Door Supplementary Components	Door Hardware	46	Door	\$68,292	5
Carpeting	Carpet	12,449	SF	\$157,606	6
Resilient Flooring	Vinyl Composition Tile Flooring	732	SF	\$5,986	9
Interior Coiling Doors	Interior Overhead Doors	5	Ea.	\$26,432	9
Sub Total for System		9	items	\$421,863	

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Decentralized Cooling	Fan Coil - Water Cool/Water Heat (5 Ton)	2	Ea.	\$11,428	5
Facility Hydronic Distribution	Pump - 5HP	1	Ea.	\$6,850	5
Heating System Supplementary Components	Controls - DDC (Bldg.SF)	14,646	SF	\$39,504	10
Facility Hydronic Distribution	4-Pipe System	14,646	SF	\$35,439	10
Sub Total for System		4	items	\$93,220	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Audio-Video Systems	PA Communications No Head Unit (Bldg SF)	14,646	SF	\$10,368	4
Distributed Systems	Public Address System Head End Unit	1	Ea.	\$7,307	4
Power Distribution	Power Wiring	14,646	SF	\$17,395	10
Sub Total for System		3	items	\$35,069	

Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Domestic Water Equipment	Water Heater - Gas - 50 gallon	1	Ea.	\$3,491	3

Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Domestic Water Equipment	Water Heater - Gas - 30 gallon	1	Ea.	\$3,652	3
Domestic Water Equipment	Backflow Preventers - 3/4 in. (Ea.)	1	Ea.	\$879	5
Domestic Water Equipment	Backflow Preventers - 2 in. (Ea.)	1	Ea.	\$2,092	5
Plumbing Fixtures	Restroom Lavatory	9	Ea.	\$24,447	5
Plumbing Fixtures	Showers	1	Ea.	\$1,306	5
Plumbing Fixtures	Toilets	11	Ea.	\$55,653	5
Plumbing Fixtures	Urinals	1	Ea.	\$1,354	5
Plumbing Fixtures	Refrigerated Drinking Fountain	1	Ea.	\$2,202	5
Domestic Water Equipment	Gas Piping System (BldgSF)	14,646	SF	\$507,854	10
Domestic Water Piping	Domestic Water Piping System (Bldg.SF)	14,646	SF	\$52,634	10
Sanitary Sewerage Piping	Sanitary Sewer Piping	14,646	SF	\$16,260	10
Sub Total for System		12	items	\$671,824	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	14,646	SF	\$23,255	3
Fire Detection and Alarm	Fire Alarm Panel	1	Ea.	\$6,868	3
Sub Total for System		2	items	\$30,123	

Specialties

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Casework	Fixed Cabinetry	5	Room	\$44,009	5
Sub Total for System		1	items	\$44,009	
Sub Total for Building 013A - Administrative Building		36	items	\$1,766,257	

Building: 013B - Stand-Alone Classroom Building (has some Science Clsrms)
Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Operating Windows	Aluminum - Windows per SF	960	SF	\$95,738	1
Exterior Operating Windows	Aluminum - Windows per SF	37,000	SF	\$3,689,895	1
Exterior Operating Windows	Aluminum - Windows per SF	288	SF	\$28,721	1
Exterior Operating Windows	Steel - Windows per SF	8,750	SF	\$1,264,740	1
Exterior Operating Windows	Steel - Windows per SF	9,000	SF	\$1,300,876	1
Exterior Operating Windows	Steel - Windows per SF	480	SF	\$69,380	1
Exterior Entrance Doors	Steel - Insulated and Painted	55	Door	\$203,885	1
Exterior Wall Veneer	Metal Panel - Bldg SF basis	200,384	SF	\$715,788	5
Sub Total for System		8	items	\$7,369,023	

Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Wall Painting and Coating	Painting/Staining (Bldg SF)	146,948	SF	\$658,463	2
Compartments and Cubicles	Toilet Partitions	108	Stall	\$217,780	2
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	144,276	SF	\$600,800	3
Suspended Plaster and	Painted ceilings	8,015	SF	\$16,692	3
Tile Flooring	Ceramic Tile	8,015	SF	\$141,603	3
Interior Door Supplementary Components	Door Hardware	351	Door	\$521,097	3
Wall Coverings	Vinyl/Fabric Wall Covering	57,443	SF	\$270,672	4
Resilient Flooring	Vinyl Composition Tile Flooring	144,276	SF	\$1,179,848	5
Interior Swinging Doors	Wooden Door	36	Door	\$67,522	5
Wall Painting and Coating	Painting/Staining (Bldg SF)	146,948	SF	\$658,463	9
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	144,276	SF	\$487,184	10
Sub Total for System		11	items	\$4,820,124	

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Heating System Supplementary Components	Controls - DDC (Bldg.SF)	267,178	SF	\$720,639	3
Decentralized Cooling	Package DX Unit (5 Ton)	2	Ea.	\$22,743	4
Decentralized Cooling	Package DX Unit (5 Ton)	2	Ea.	\$22,743	4
Decentralized Cooling	Fan Coil - Water Cool/Water Heat (5 Ton)	66	Ea.	\$377,111	5
Decentralized Cooling	Fan Coil - Water Cool/Water Heat (5 Ton)	63	Ea.	\$359,970	5
Air Distribution	Make-up Air Unit	2	Ea.	\$17,777	5
Other HVAC Distribution Systems	VFD (5 HP)	2	Ea.	\$8,786	5
HVAC Air Distribution	Ductwork (Bldg.SF)	267,178	SF	\$2,114,031	5

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exhaust Air	Roof Exhaust Fan - Large	5	Ea.	\$40,181	5
Exhaust Air	Wall Exhaust Fan	3	Ea.	\$14,194	5
Exhaust Air	Interior Ceiling Exhaust Fan	19	Ea.	\$9,247	5
HVAC Air Distribution	AHU 5,000 CFM Interior	11	Ea.	\$474,797	10
Sub Total for System		12	items	\$4,182,218	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Audio-Video Systems	PA Communications No Head Unit (Bldg SF)	267,178	SF	\$189,129	4
Power Distribution	Panelboard - 120/208 225A	11	Ea.	\$60,495	5
Power Distribution	Panelboard - 120/208 400A	7	Ea.	\$86,391	5
Power Distribution	Panelboard - 277/480 100A	11	Ea.	\$73,573	5
Lighting Fixtures	Canopy Mounted Fixtures (Ea.)	20	Ea.	\$41,659	10
Power Distribution	Power Wiring	267,178	SF	\$317,324	10
Sub Total for System		6	items	\$768,571	

Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Domestic Water Equipment	Water Heater - Gas - 100 Gallon	1	Ea.	\$6,384	3
Plumbing Fixtures	Classroom Lavatory	85	Ea.	\$217,982	4
Plumbing Fixtures	Sink - Service / Mop Sink	3	Ea.	\$2,388	4
Plumbing Fixtures	Showers	1	Ea.	\$1,306	4
Plumbing Fixtures	Toilets	107	Ea.	\$541,354	4
Plumbing Fixtures	Urinals	42	Ea.	\$56,877	4
Plumbing Fixtures	Refrigerated Drinking Fountain	41	Ea.	\$90,298	4
Facility Potable-Water Storage Tanks	Water Storage Tank - 5,000 Gallon	1	Ea.	\$8,165	5
Plumbing Fixtures	Classroom Lavatory	182	Ea.	\$466,739	5
Domestic Water Equipment	Gas Piping System (BldgSF)	267,178	SF	\$9,264,468	10
Domestic Water Piping	Domestic Water Piping System (Bldg.SF)	267,178	SF	\$960,165	10
Sanitary Sewerage Piping	Sanitary Sewer Piping	267,178	SF	\$296,629	10
Sub Total for System		12	items	\$11,912,755	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	267,178	SF	\$424,230	3
Sub Total for System		1	items	\$424,230	

Conveyances

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Elevators	Passenger elevator cab finishes	1	Ea.	\$7,985	5
Sub Total for System		1	items	\$7,985	

Specialties

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Casework	Fixed Cabinetry	112	Room	\$985,810	3
Casework	Lockers	2,201	Ea.	\$1,172,574	5
Sub Total for System		2	items	\$2,158,383	
Sub Total for Building 013B - Stand-Alone Classroom Building (has some Science Clsrms)		53	items	\$31,643,290	

Building: 013C - Greenhouse
Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Wall Veneer	Clear Polycarbonate (Greenhouse) walls	570	SF	\$5,107	1
Exterior Operating Windows	Aluminum - Windows per SF	180	SF	\$17,951	1
Exterior Entrance Doors	Storefront Doors - Glass/Aluminum	2	Door	\$7,938	1
Sub Total for System		3	items	\$30,996	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Lighting Fixtures	Light Fixtures (Bldg SF)	633	SF	\$11,608	10
Sub Total for System		1	items	\$11,608	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Security System Component	Security Alarm System	633	SF	\$1,457	5

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	633	SF	\$1,005	5
Sub Total for System		2	items	\$2,462	
Sub Total for Building 013C - Greenhouse		6	items	\$45,066	

Building: 013D - Greenhouse
Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Wall Veneer	Clear Polycarbonate (Greenhouse) walls	821	SF	\$7,356	1
Exterior Operating Windows	Aluminum - Windows per SF	180	SF	\$17,951	1
Exterior Entrance Doors	Storefront Doors - Glass/Aluminum	1	Door	\$3,969	1
Sub Total for System		3	items	\$29,275	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Lighting Fixtures	Light Fixtures (Bldg SF)	912	SF	\$16,725	5
	Note: Fluorecent Lights				
Power Distribution	Power Wiring	912	SF	\$1,083	10
Sub Total for System		2	items	\$17,808	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Security System Component	Security Alarm System	912	SF	\$2,099	5
Fire Detection and Alarm	Fire Alarm	912	SF	\$1,448	5
Sub Total for System		2	items	\$3,547	
Sub Total for Building 013D - Greenhouse		7	items	\$50,631	

Building: 013E - Vocational / Art / Shop Building
Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Operating Windows	Steel - Windows per SF	160	SF	\$23,127	1
Exterior Entrance Doors	Steel - Insulated and Painted	15	Door	\$55,605	1
Exterior Utility Doors	Overhead Door	10	Door	\$83,073	1
Exterior Wall Veneer	Metal Panel - Bldg SF basis	5,516	SF	\$19,704	5
Sub Total for System		4	items	\$181,509	

Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Wall Painting and Coating	Painting/Staining (Bldg SF)	9,102	SF	\$40,785	2
Suspended Plaster and	Painted ceilings	12,688	SF	\$26,424	3
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	10,205	SF	\$34,460	3
Resilient Flooring	Rubber Tile Flooring	3,861	SF	\$58,367	3
Resilient Flooring	Vinyl Composition Tile Flooring	9,102	SF	\$74,434	3
Interior Door Supplementary Components	Door Hardware	43	Door	\$63,838	4
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	10,205	SF	\$42,496	5
Wall Coverings	FRP Wall Finish	552	SF Wall	\$4,200	5
Athletic Flooring	Athletic/Sport Flooring	4,137	SF	\$63,467	5
Tile Flooring	Ceramic Tile	1,379	SF	\$24,363	5
Tile Flooring	Quarry Tile	1,655	SF	\$45,242	5
Interior Swinging Doors	Wooden Door	17	Door	\$31,885	5
Interior Swinging Doors	Wooden Door	1	Door	\$1,876	5
Interior Swinging Doors	Wooden Door	1	Door	\$1,876	5
Wall Painting and Coating	Painting/Staining (Bldg SF)	9,102	SF	\$40,785	9
Compartments and Cubicles	Toilet Partitions	4	Stall	\$8,066	10
Sub Total for System		16	items	\$562,565	

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Facility Hydronic Distribution	Pump - 5HP	1	Ea.	\$6,850	3
Heating System Supplementary Components	Controls - Pneumatic (Bldg.SF)	27,582	SF	\$94,297	3
HVAC Air Distribution	Roof Top Unit - DX Gas (5 Ton)	2	Ea.	\$31,818	4

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
HVAC Air Distribution	Ductwork (Bldg.SF)	27,582	SF	\$218,241	5
Exhaust Air	Wall Exhaust Fan	6	Ea.	\$28,388	5
Sub Total for System		5	items	\$379,594	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Audio-Video Systems	PA Communications No Head Unit (Bldg SF)	27,582	SF	\$19,525	4
Power Distribution	Power Wiring	27,582	SF	\$32,759	10
Sub Total for System		2	items	\$52,283	

Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Domestic Water Equipment	Water Heater - Gas - 75 Gallons	1	Ea.	\$5,203	3
Plumbing Fixtures	Restroom Lavatory	8	Ea.	\$21,730	4
Plumbing Fixtures	Sink - Service / Mop Sink	1	Ea.	\$796	4
Plumbing Fixtures	Refrigerated Drinking Fountain	2	Ea.	\$4,405	4
Compressed-Air Systems	Air Compressor (10 hp)	1	Ea.	\$13,219	4
Domestic Water Equipment	Backflow Preventers - 3/4 in. (Ea.)	1	Ea.	\$879	5
Domestic Water Equipment	Backflow Preventers - 2 in. (Ea.)	1	Ea.	\$2,092	5
Plumbing Fixtures	Classroom Lavatory	7	Ea.	\$17,951	5
Domestic Water Equipment	Gas Piping System (BldgSF)	27,582	SF	\$956,413	10
Domestic Water Piping	Domestic Water Piping System (Bldg.SF)	27,582	SF	\$99,122	10
Sanitary Sewerage Piping	Sanitary Sewer Piping	27,582	SF	\$30,622	10
Sub Total for System		11	items	\$1,152,433	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	27,582	SF	\$43,795	3
Sub Total for System		1	items	\$43,795	

Specialties

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Casework	Fixed Cabinetry	4	Room	\$35,207	4
Sub Total for System		1	items	\$35,207	
Sub Total for Building 013E - Vocational / Art / Shop Building		40	items	\$2,407,387	

Building: 013F - Mechanical Building
Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Entrance Doors	Steel - Insulated and Painted	5	Door	\$18,535	1
Exterior Utility Doors	Overhead Door	1	Door	\$8,307	1
Exterior Wall Veneer	Metal Panel - Bldg SF basis	1,092	SF	\$3,901	5
Sub Total for System		3	items	\$30,743	

Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Interior Door Supplementary Components	Door Hardware	6	Door	\$8,908	4
Interior Swinging Doors	Metal Door (Steel)	6	Door	\$17,363	5
Suspended Plaster and	Painted ceilings	5,461	SF	\$11,373	10
Sub Total for System		3	items	\$37,644	

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Heat Generation	Boiler - Copper Tube (4800 MBH)	7	Ea.	\$1,044,195	3
Facility Hydronic Distribution	Pump - 5HP	2	Ea.	\$13,700	3
Facility Hydronic Distribution	Pump- 25HP (Ea.)	4	Ea.	\$57,525	3
Facility Hydronic Distribution	Pump- 25HP (Ea.)	5	Ea.	\$71,907	3
Decentralized Heating Equipment	Unit Heater Gas (20 MBH)	3	Ea.	\$8,582	4
Heating System Supplementary Components	Controls - DDC (Bldg.SF)	5,461	SF	\$14,730	5
Central Cooling	Cooling Tower - Metal (450 Tons)	2	Ea.	\$111,139	5
Decentralized Cooling	Fan Coil - D/X Only (1.5 Ton)	1	Ea.	\$1,486	5
Central Cooling	Chiller - Indoor Water Cooled (50 Tons)	2	Ea.	\$136,220	8
Sub Total for System		9	items	\$1,459,484	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Audio-Video Systems	PA Communications No Head Unit (Bldg SF)	5,461	SF	\$3,866	4
Lighting Fixtures	Building Mounted Fixtures (Ea.)	4	Ea.	\$3,607	4
Electrical Service	Switchgear - Main Dist Panel (4000 Amps)	1	Ea.	\$84,797	5
Electrical Service	Switchgear - Main Dist Panel (2000 Amps)	1	Ea.	\$65,478	5
Power Distribution	Distribution Panel (1600 Amps)	1	Ea.	\$25,176	5
Sub Total for System		5	items	\$182,923	

Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Plumbing Fixtures	Restroom Lavatory	1	Ea.	\$2,716	4
Plumbing Fixtures	Sink - Service / Mop Sink	1	Ea.	\$796	4
Plumbing Fixtures	Showers	1	Ea.	\$1,306	4
Facility Potable-Water Storage Tanks	Water Storage Tank - 5,000 Gallon	1	Ea.	\$8,165	5
Domestic Water Equipment	Backflow Preventers - 3/4 in. (Ea.)	1	Ea.	\$879	5
Domestic Water Equipment	Backflow Preventers - 2 in. (Ea.)	1	Ea.	\$2,092	5
Sub Total for System		6	items	\$15,954	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	5,461	SF	\$8,671	3
Note: F20 Fire alarm panel in main building					
Sub Total for System		1	items	\$8,671	
Sub Total for Building 013F - Mechanical Building		27	items	\$1,735,419	

Building: 013G - Stand-Alone Cafeteria, Gym, Theater

Exterior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Exterior Wall Veneer	Stucco - Bldg SF basis	1,093	SF	\$5,683	1
Exterior Operating Windows	Aluminum - Windows per SF	65	SF	\$6,482	1
Exterior Operating Windows	Steel - Windows per SF	5,000	SF	\$722,709	1
Exterior Operating Windows	Steel - Windows per SF	108	SF	\$15,611	1
Exterior Operating Windows	Steel - Windows per SF	960	SF	\$138,760	1
Exterior Operating Windows	Steel - Windows per SF	720	SF	\$104,070	1
Exterior Operating Windows	Steel - Windows per SF	320	SF	\$46,253	1
Exterior Entrance Doors	Steel - Insulated and Painted	64	Door	\$237,248	1
Exterior Utility Doors	Overhead Door	2	Door	\$16,615	1
Exterior Wall Veneer	Metal Panel - Bldg SF basis	65,560	SF	\$234,186	5
Sub Total for System		10	items	\$1,527,617	

Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Wall Painting and Coating	Painting/Staining (Bldg SF)	21,853	SF	\$97,922	2
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Compartments and Cubicles	Toilet Partitions	22	Stall	\$44,363	2
Acoustical Suspended Ceilings	Ceilings - Acoustical Tiles	40,428	SF	\$136,515	3
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Suspended Plaster and	Painted ceilings	14,205	SF	\$29,583	3
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Wall Coverings	Vinyl/Fabric Wall Covering	16,390	SF	\$77,230	4
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Interior Door Supplementary Components	Door Hardware	176	Door	\$261,291	4
Acoustical Suspended Ceilings	Ceilings - Acoustical Grid System	40,428	SF	\$168,352	5
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Tile Flooring	Quarry Tile	6,556	SF	\$179,220	5
Resilient Flooring	Vinyl Composition Tile Flooring	42,614	SF	\$348,485	5
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Interior Swinging Doors	Wooden Door	9	Door	\$16,880	5
Interior Swinging Doors	Metal Door (Steel)	68	Door	\$196,780	5
Interior Swinging Doors	Metal Door (Steel)	47	Door	\$136,009	5
Interior Swinging Doors	Wooden Door	52	Door	\$97,531	5
Carpeting	Carpet	15,297	SF	\$193,663	8
Wall Painting and Coating	Painting/Staining (Bldg SF)	21,853	SF	\$97,922	9
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					

Interior

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Wood Flooring	Wood Flooring - All Types	27,317	SF	\$588,406	10
Note: Approximately 9,611 sq.ft. of building has been demolished in order to accommodate new construction.					
Sub Total for System		16	items	\$2,670,151	

Mechanical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Decentralized Cooling	Fan Coil - Water Cool/Water Heat (1/2 Ton)	3	Ea.	\$3,528	4
Facility Hydronic Distribution	4-Pipe System	109,266	SF	\$264,388	5
HVAC Air Distribution	AHU 5,000 CFM Interior	10	Ea.	\$431,633	5
HVAC Air Distribution	Ductwork (Bldg,SF)	109,266	SF	\$864,561	5
Exhaust Air	Wall Exhaust Fan	8	Ea.	\$37,851	5
Exhaust Air	Interior Ceiling Exhaust Fan	7	Ea.	\$3,407	5
Exhaust Air	Kitchen Exhaust Hoods	2	Ea.	\$22,383	5
Heating System Supplementary Components	Controls - Pneumatic (Bldg,SF)	109,266	SF	\$373,557	10
Sub Total for System		8	items	\$2,001,308	

Electrical

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Audio-Video Systems	PA Communications No Head Unit (Bldg SF)	109,266	SF	\$77,347	4
Lighting Fixtures	Building Mounted Fixtures (Ea.)	3	Ea.	\$2,705	4
Lighting Fixtures	Canopy Mounted Fixtures (Ea.)	6	Ea.	\$12,498	5
Power Distribution	Power Wiring	109,266	SF	\$129,774	10
Sub Total for System		4	items	\$222,324	

Plumbing

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Domestic Water Equipment	Water Heater - Gas - 50 gallon	4	Ea.	\$13,963	3
Plumbing Fixtures	Restroom Lavatory	42	Ea.	\$114,084	4
Plumbing Fixtures	Sink - Service / Mop Sink	2	Ea.	\$1,592	4
Plumbing Fixtures	Showers	20	Ea.	\$26,129	4
Plumbing Fixtures	Toilets	30	Ea.	\$151,782	4
Plumbing Fixtures	Urinals	8	Ea.	\$10,834	4
Plumbing Fixtures	Refrigerated Drinking Fountain	12	Ea.	\$26,429	4
Domestic Water Equipment	Backflow Preventers - 3/4 in. (Ea.)	1	Ea.	\$879	6
Domestic Water Equipment	Backflow Preventers - 2 in. (Ea.)	1	Ea.	\$2,092	6
Domestic Water Equipment	Gas Piping System (BldgSF)	109,266	SF	\$3,788,828	10
Domestic Water Piping	Domestic Water Piping System (Bldg,SF)	109,266	SF	\$392,672	10
Sanitary Sewerage Piping	Sanitary Sewer Piping	109,266	SF	\$121,310	10
Sub Total for System		12	items	\$4,650,593	

Fire and Life Safety

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Fire Detection and Alarm	Fire Alarm	109,266	SF	\$173,495	3
Note: System controlled from main building					
Sub Total for System		1	items	\$173,495	

Specialties

Uniformat Description	LC Type Description	Qty	UoM	Repair Cost	Remaining Life
Casework	Lockers, Gym	776	Ea.	\$376,744	4
Casework	Lockers	1,241	Ea.	\$661,138	5
Fixed Multiple Seating	Bleachers	10	Seat	\$4,131	5
Fixed Multiple Seating	Auditorium Seating	380	Ea.	\$170,472	5
Sub Total for System		4	items	\$1,212,484	
Sub Total for Building 013G - Stand-Alone Cafeteria, Gym, Theater		55	items	\$12,457,971	
Total for: Bowie HS		230	items	\$53,663,893	

Supporting Photos

General Site Photos



Exposed base of unit



Corrosion on water heater



Unsafe wire pathways



Unsafe uncovered wires



Electric panels approaching end of useful life



Cracked asphalt



Evidence of water staining on concrete



Worn wooden table