

3.1 ARMSTRONG ELEMENTARY



Classroom



Student Support

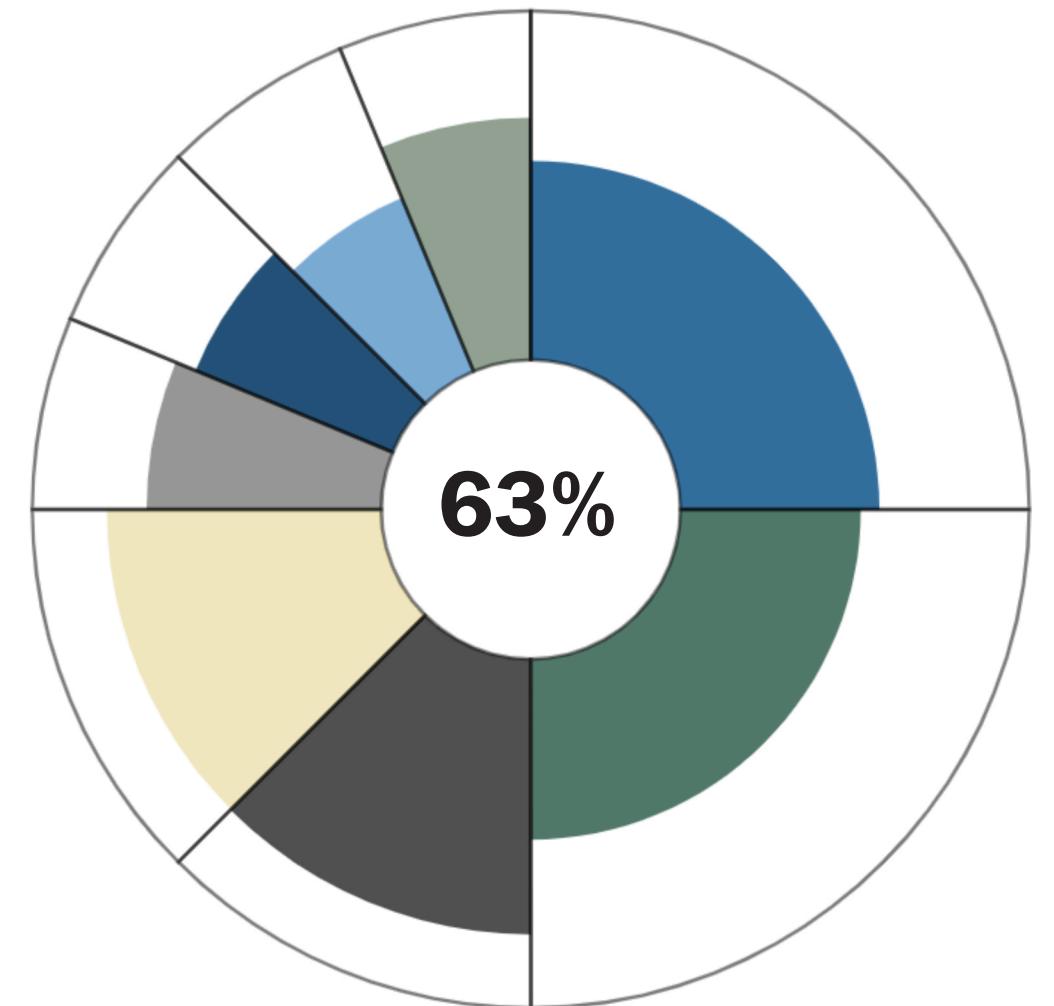


Library



Cafeteria

Educational Adequacy Scores



Classroom

Safety & Security

Extended Learning

Organization

Presence

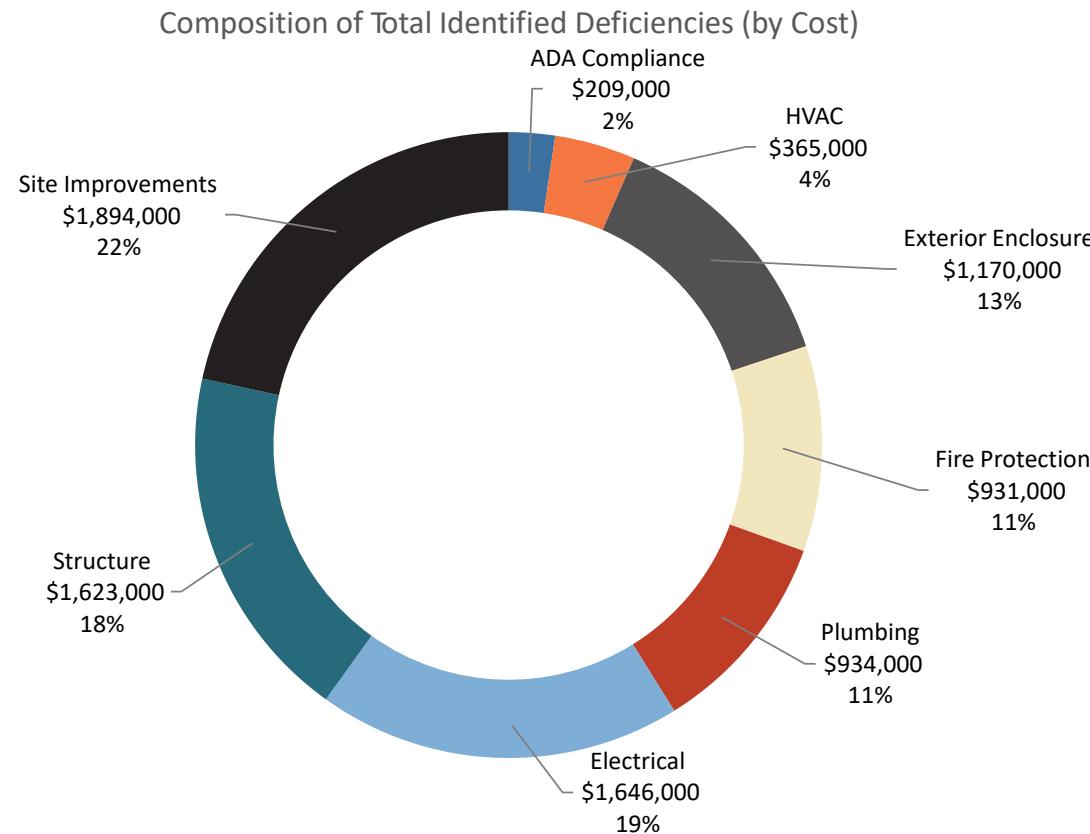
Community

Assembly

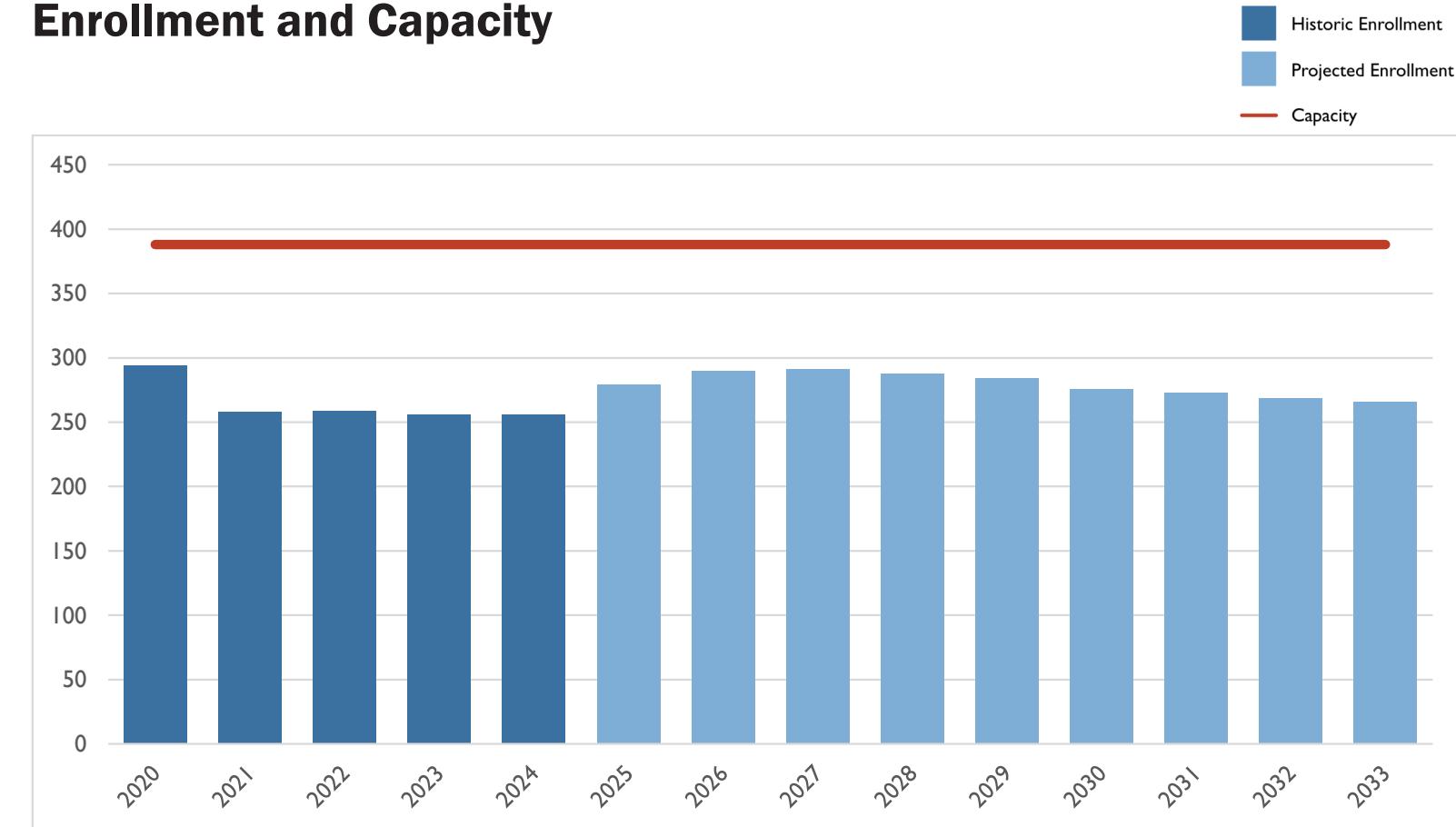
Environmental Quality

3.2 ARMSTRONG ELEMENTARY

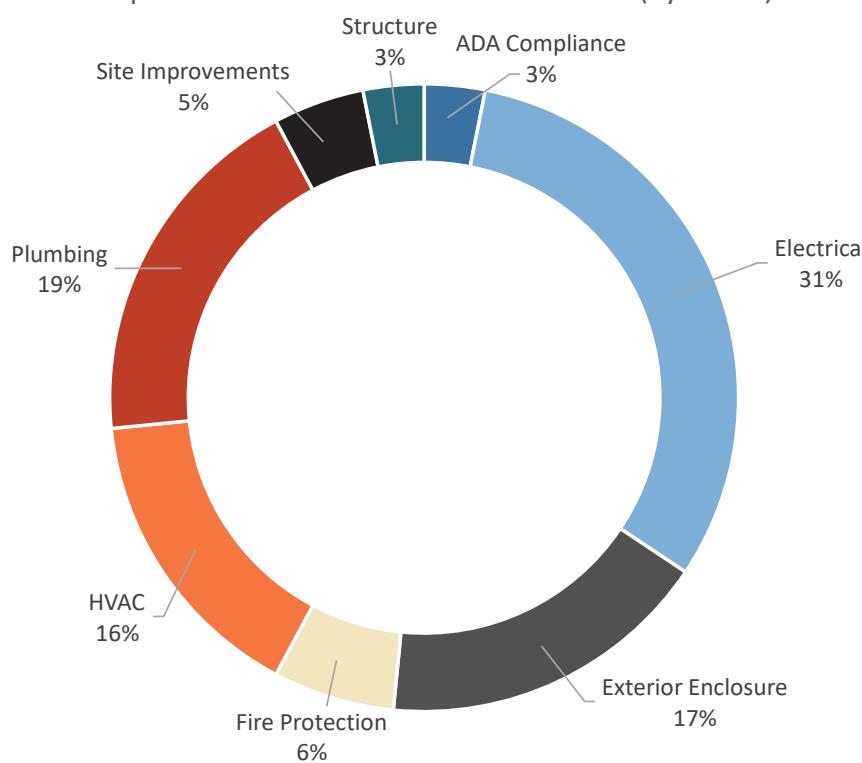
Facility Conditions Assessment



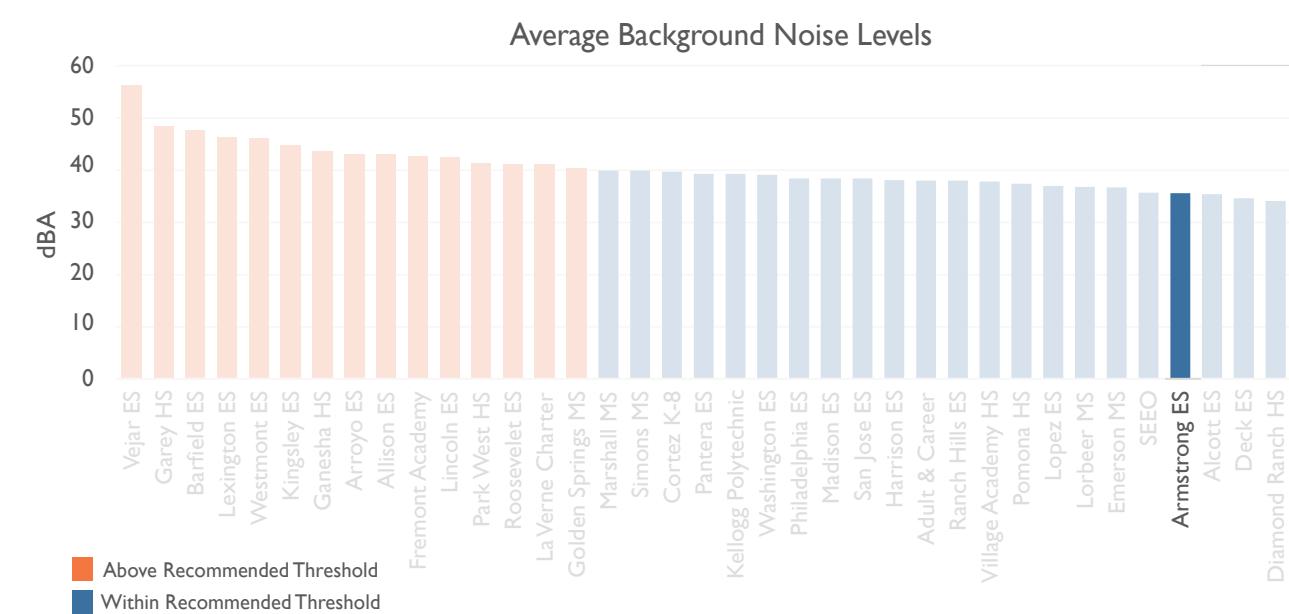
Enrollment and Capacity



Composition of Total Identified Deficiencies (by Count)



Acoustics



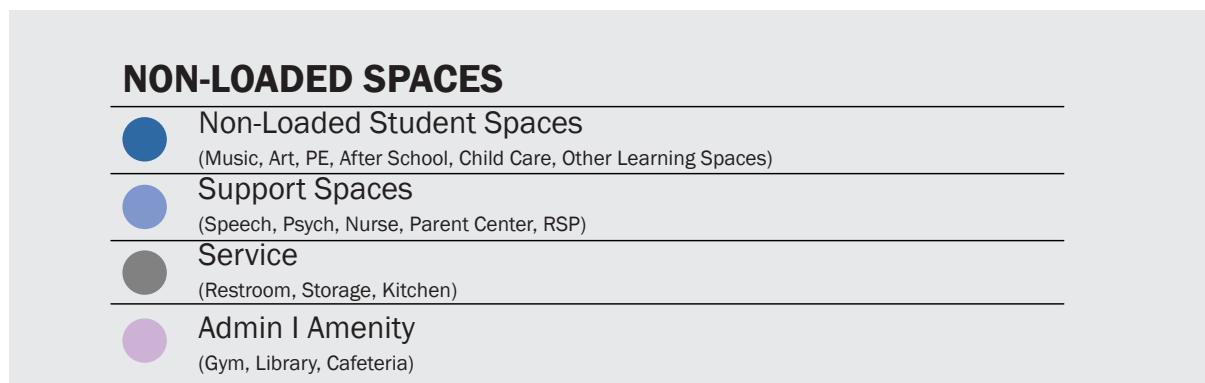
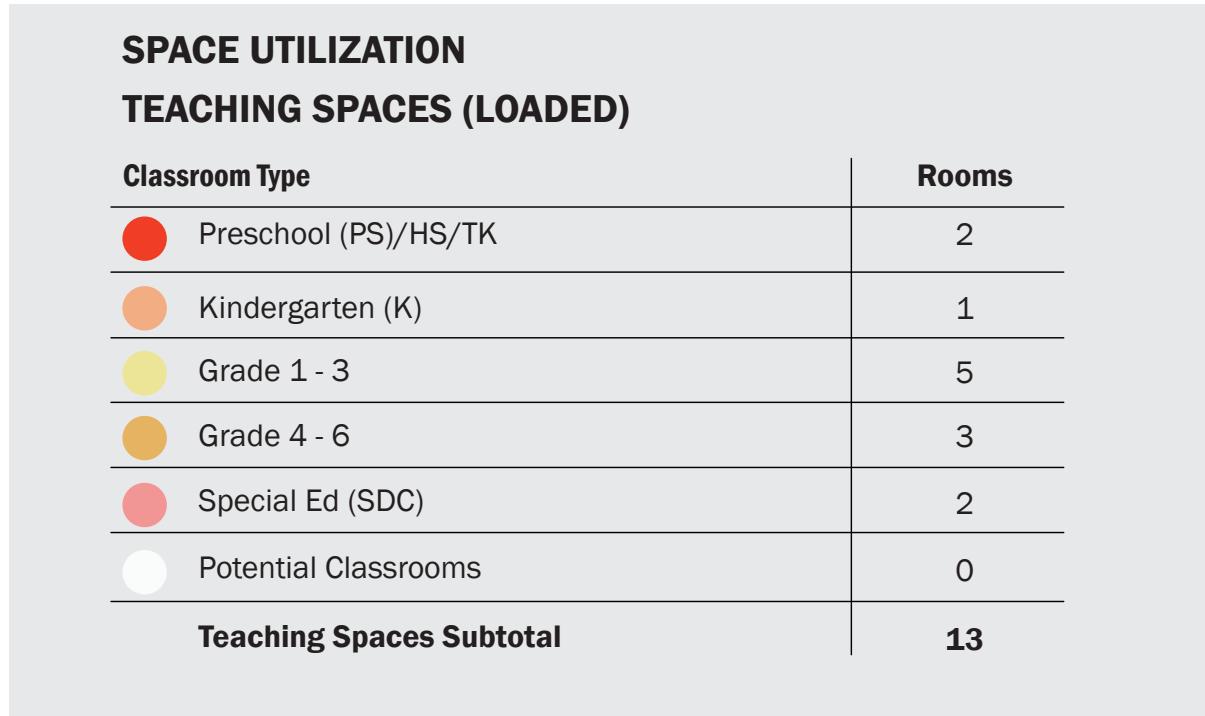
3.3 ARMSTRONG ELEMENTARY

FACILITY

Address	22750 Beaverhead Drive, Diamond Bar CA 91765	
Year Constructed	1970	
Last Modernization	2005	
Grades served	Kindergarten - 6th	
Acreage	8.5	
Estimated Capacity	304	
Parking	28 + 2 ADA = 30 Total	
	Building	Area
Total	6	44,400 SF
Permanent	2	34,600 SF
Portable	4	9,800 SF
Recent Facility Upgrades	<ul style="list-style-type: none"> • Lighting • HVAC 	



3.4 ARMSTRONG ELEMENTARY



LEGEND

	Campus Entry
	Permanent Room
	Portable Room
	Restrooms
	Play Structures
	Room Number

ABBREVIATIONS KEY

AD	Administration	MPR	Multipurpose Room
AD.ED	Adult Education	PC	Parent Center
CC	After School Child Care	SH	Shade
CL	Computer Lab	SDC	Special Education Center
SL	Science Lab	ST	Storage
CR	General Classroom	TLC	Teacher Learning Center
INT	Intervention	KIT	Kitchen
LIB	Library	WR	Workroom



3.5 ARMSTRONG ELEMENTARY

The FMP Proposed Capacity Reference table below compares the current and proposed student capacity (CAP) using both State and Pomona USD Teacher Contract classroom loading levels (i.e., the number of students per classroom) against 7-year student enrollment projections. This data comparison helps ensure any proposed new building projects included in the FMP project lists is in alignment with the 7-year projected enrollment and PUSD Educational Specifications.

The Space Program For Proposed New Buildings table to the right reflects the guidelines defined in the Educational Specifications and is used to develop square footages and project costs. It is recommended that it be referenced and reconfirmed prior to approving a project during the implementation of the FMP.

FMP PROPOSED CAPACITY REFERENCE

CLASSROOM TYPE	STATE LOADING	TEACHER CONTRACT LOADING	FMP PROPOSED CLASSROOM QUANTITY	CAPACITY (STATE LOADING)	CAPACITY (TEACHER CONTRACT LOADING)	7-YEAR ENROLLMENT PROJECTIONS	ED SPEC REFERENCE LOCATION(S)
PS	10	20	0	0	0		
TK	10	24	2	20	48		
K	25	24	1	25	24		Appendix XVI.3, page 138
1-3	25	24	5	125	120		
4-6	25	32	3	75	96		12.1, page 40
SPED	9	14	3	27	42		12.4.2, page 42
TOTALS			14	272	330	273	

ADDITIONAL SPACES REFERENCE

Additional Spaces	Proposed Location ID
OT/PT	A
Parent Center	In existing building
Music	C
Curriculum Specialist / PD	D
Intervention Resource	E
Learning / Care Center	F
Fitness	In existing building
Staff Work / Lounge	H
Library	I
STEM	J

The Additional Spaces Reference table to the left reflects non-classroom required spaces needed to support other school programs and services intended to be provided outside of classrooms. The Proposed Location IDs correspond to the Space Program table to the right. If these required spaces are included in the new proposed building, the Proposed Location ID letter is listed next to the associated space in the Space Program table.

SPACE PROGRAM FOR PROPOSED NEW BUILDINGS

Armstrong ES	Educational Specifications		
Space Type	Sq. Ft	Qty	Total Sq. Ft.
1-STORY BUILDING			
LIBRARY			
I Control Desk/Work space	200	1	200
Stacks/Reading Area	1,300	1	1,300
Story Telling Nook	400	1	400
Small Break-out Room	250	1	250
STEM LAB / TLC			
J/K Lab	960	1	960
	270	1	270
	150	1	150
	200	1	200
STUDENT SUPPORT SERVICES - LEARNING / CARE CTR			
F Medium Office	200	2	400
	100	5	500
	150	1	150
	300	1	300
	200	1	200
	800	1	800
MUSIC FLEX / TLC			
K Lab	1,300	1	1,300
	250	1	250
	200	1	200
RSP			
E Intervention Room	380	2	760
	200	1	200
OT/PT			
A OT/PT Space	820	1	820
	100	1	100
	80	1	80
SUB-TOTAL NET SQUARE FOOTAGE			9,790
20% Grossing Factor (Assumes 1-Story)			1,958
TOTAL GROSS SQUARE FOOTAGE			11,748

3.6 ARMSTRONG ELEMENTARY

PROPOSED PROJECTS

The following proposed projects are intended to help the school meet its current and future needs. These projects were determined through a review of demographic and enrollment projections, site assessments and evaluations, and school- and district-level leadership interviews.

Major Construction Projects (Table 1) are unranked due to the similarity of the efforts and impacts, as well as the required significant financial commitments. Targeted Projects (Table 2) are aimed at addressing specific issues and are ranked based on overall priority determined by the weighted impact categories outlined in the chart to the right.

All noted costs are escalated for 2030 projections and inclusive of hard costs (e.g., materials, labor) and soft costs (e.g., design and engineering, permitting). Additionally, a portion of proposed projects are District-wide initiatives intended for all PUSD schools which would both address existing issues and align with PUSD design standards.

Impact Category	Weight
Security	25%
Health and Safety	20%
Infrastructure and System Deficiencies	15%
21st Century Learning Environment	15%
Building Envelope	10%
Sustainability and Resiliency	5%
School Culture and Climate	5%
Curb Appeal	5%
Total	100%

Table 1: Major Construction Projects

Project	Project Type	Notes/ Impact	Quantity	Unit of Measure	Cost Estimate (Per Unit)	Construction Cost	Total Project Cost	2030 Total Project Cost
Expand food service	Addition	To meet Ed Specs standards	800	SF	\$ 560.00	\$ 448,000.00	\$ 600,320.00	\$ 786,299
New 1-story building	Addition	Library/STEM/Student Support (Bldg 1)	11,748	SF	\$ 840.00	\$ 9,868,320.00	\$ 13,223,548.80	\$ 17,320,204
Demo of existing portables	Demolition	Building D, Portables 17-21, Portables 22-26	10,560	SF	\$ 14.00	\$ 147,840.00	\$ 198,105.60	\$ 259,479
Heavily modernize restrooms	Heavy modernization	All buildings	1,100	SF	\$ 210.00	\$ 231,000.00	\$ 309,540.00	\$ 405,435
Heavily modernize admin	Heavy modernization	Building A (lower)	2,870	SF	\$ 280.00	\$ 803,600.00	\$ 1,076,824.00	\$ 1,410,424
Heavily modernize MPR	Heavy modernization	Building C	4,450	SF	\$ 210.00	\$ 934,500.00	\$ 1,252,230.00	\$ 1,640,171
Heavily modernize classrooms	Heavy modernization	Building A	22,660	SF	\$ 105.00	\$ 2,379,300.00	\$ 3,188,262.00	\$ 4,175,986
Heavily modernize classrooms	Heavy modernization	Building B	2,612	SF	\$ 105.00	\$ 274,260.00	\$ 367,508.40	\$ 481,363
Heavily modernize food service	Heavy modernization	Building E	4,400	SF	\$ 224.00	\$ 985,600.00	\$ 1,320,704.00	\$ 1,729,858
Hazmat remediation	Heavy modernization	All buildings built prior to 1980	28,200	SF	\$ 42.00	\$ 1,184,400.00	\$ 1,587,096.00	\$ 2,078,778
								\$ 30,287,997

3.7 ARMSTRONG ELEMENTARY

PROPOSED PROJECTS

Table 2: Targeted Projects

Priority Rank	Project	Project Type	Notes/ Impact	Quantity	Unit of Measure	Cost Estimate (Per Unit)	Construction Cost	Total Project Cost	2030 Total Project Cost
HIGHEST	New exterior doors with panic bar and door access control	Security	Existing buildings only, excluding demo and new buildings	16	Quantity	\$ 4,200.00	\$ 67,200.00	\$ 90,048.00	\$ 117,945
HIGHEST	Added surveillance security	Security		1	Quantity	\$ 2,100.00	\$ 2,100.00	\$ 2,814.00	\$ 3,686
HIGHEST	New entry camera, intercom, lockdown/panic buttons at main office	Security		1	Quantity	\$ 7,000.00	\$ 7,000.00	\$ 9,380.00	\$ 12,286
HIGHEST	Site lighting	Security		16,000	SF	\$ 2.10	\$ 33,600.00	\$ 45,024.00	\$ 58,972
HIGHEST	New outdoor classrooms	Campus upgrade	2 linear courtyards	9,000	SF	\$ 70.00	\$ 630,000.00	\$ 844,200.00	\$ 1,105,733
HIGHER	Site infrastructure upgrades - Elementary	Site infrastructure	Main Plumbing, Sewer, Electrical Pathways	43,040	SF	\$ 15.00	\$ 645,600.00	\$ 219,504.00	\$ 287,506
HIGHER	Furniture enhancements	Campus upgrade	Half the campus classroom count	8	Quantity	\$ 21,000.00	\$ 168,000.00	\$ 225,120.00	\$ 294,862
HIGHER	Site IT upgrades	Site infrastructure	Existing Buildings	28,200	SF	\$ 28.00	\$ 789,600.00	\$ 1,058,064.00	\$ 1,385,852
HIGHER	Expand play area	Campus upgrade	Pre-K/TK	6,500	SF	\$ 35.00	\$ 227,500.00	\$ 304,850.00	\$ 399,293
HIGHER	Upgrade fields	Campus upgrade		165,000	SF	\$ 4.20	\$ 693,000.00	\$ 928,620.00	\$ 1,216,306
HIGHER	New play structures with rubberized surface	Campus upgrade		1	Quantity	\$ 105,000.00	\$ 105,000.00	\$ 140,700.00	\$ 184,289
HIGHER	Add shade structure(s)	Campus upgrade		2,800	SF	\$ 70.00	\$ 196,000.00	\$ 262,640.00	\$ 344,006
HIGHER	Resurface asphalt - hardcourts	Campus upgrade		72,000	SF	\$ 7.00	\$ 504,000.00	\$ 675,360.00	\$ 884,587
HIGH	Resurface asphalt - parking	Campus upgrade		16,000	SF	\$ 7.00	\$ 112,000.00	\$ 150,080.00	\$ 196,575
HIGH	New drinking fountains with bottle filling stations	Campus upgrade		4	Quantity	\$ 8,400.00	\$ 33,600.00	\$ 45,024.00	\$ 58,972
HIGH	Campus landscaping	Campus upgrade	Front of school branding, landscape upgrades	5,000	SF	\$ 0.64	\$ 3,220.00	\$ 4,314.80	\$ 5,652
HIGH	Exterior paint entire campus	Campus upgrade	Existing buildings only, excluding demo and new buildings	28,200	SF	\$ 4.20	\$ 118,440.00	\$ 158,709.60	\$ 207,878
HIGH	New site fire hydrant (for new buildings)	Site infrastructure		1	Quantity	\$ 35,000.00	\$ 35,000.00	\$ 46,900.00	\$ 61,430
									\$ 6,825,829

*District-wide Initiatives

TABLE 1 + TABLE 2 PROJECTS TOTAL COST

\$ 37,113,826

3.8 ARMSTRONG ELEMENTARY

Proposed Major Construction Projects Site Diagram

Legend

-  = Structure to be removed
-  = Expanded parking or improved drop off area
-  = Area for new construction

This site diagram identifies conceptual locations for proposed major construction projects (new construction and demolition).

Prioritization and selection of proposed projects will be determined in a future phase as funding becomes available. Due to limited funds and the necessary consideration of facility needs across the district, projects will likely be phased over several years and/or as available funding is identified. As noted in the executive summary, facility needs across the district exceed the potential funding available, therefore not all projects can be selected and implemented.

Please refer to earlier Site Profile pages for:

- Space Program For Proposed New Buildings table – includes details for each new building number listed on this site diagram.
- Table 1: Major Construction Projects – includes scopes of work for projects proposed for existing buildings to remain and campus grounds.

