

5.1 BARFIELD ELEMENTARY



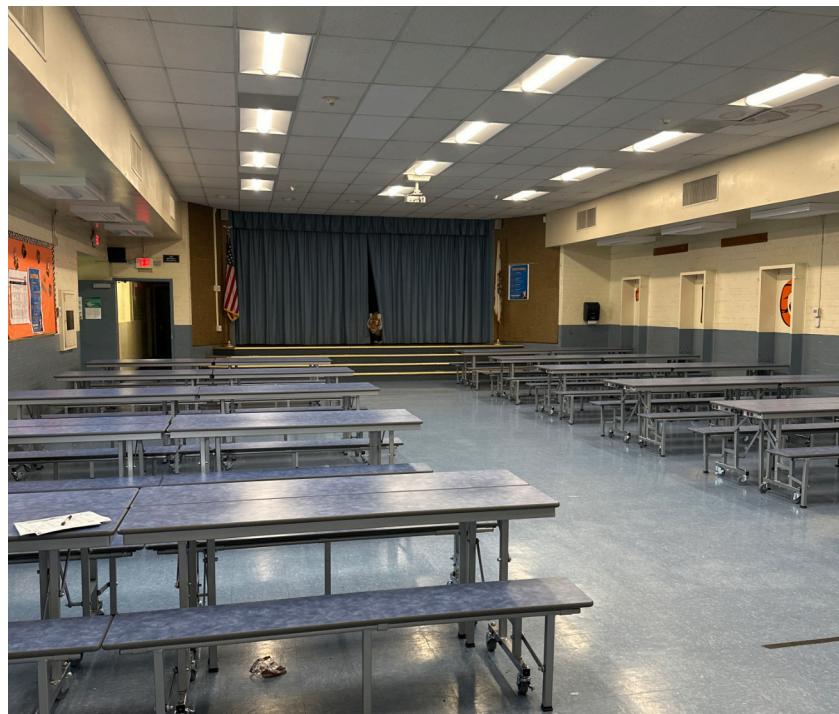
Student Support



Classroom, K3

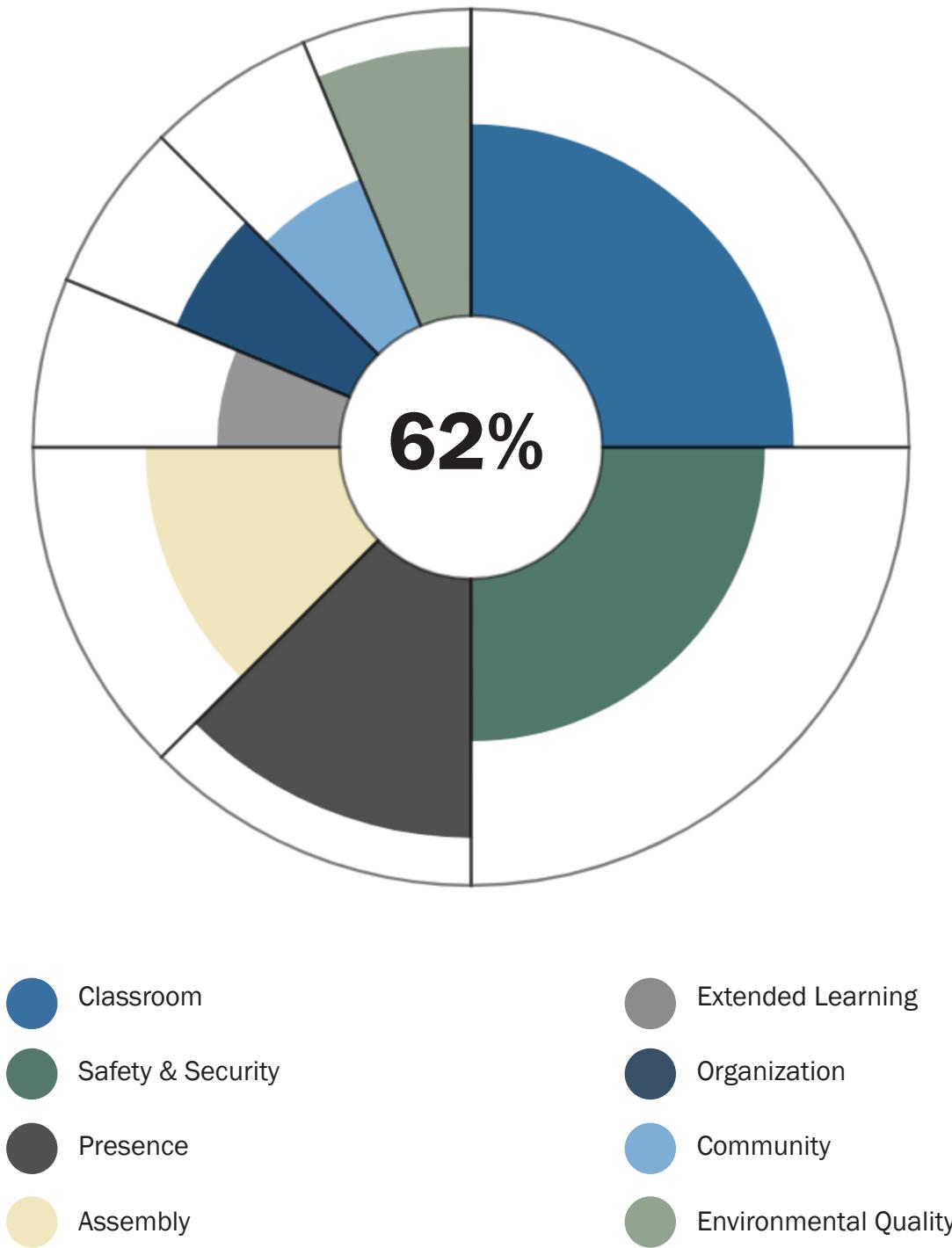


Library



Assembly Room

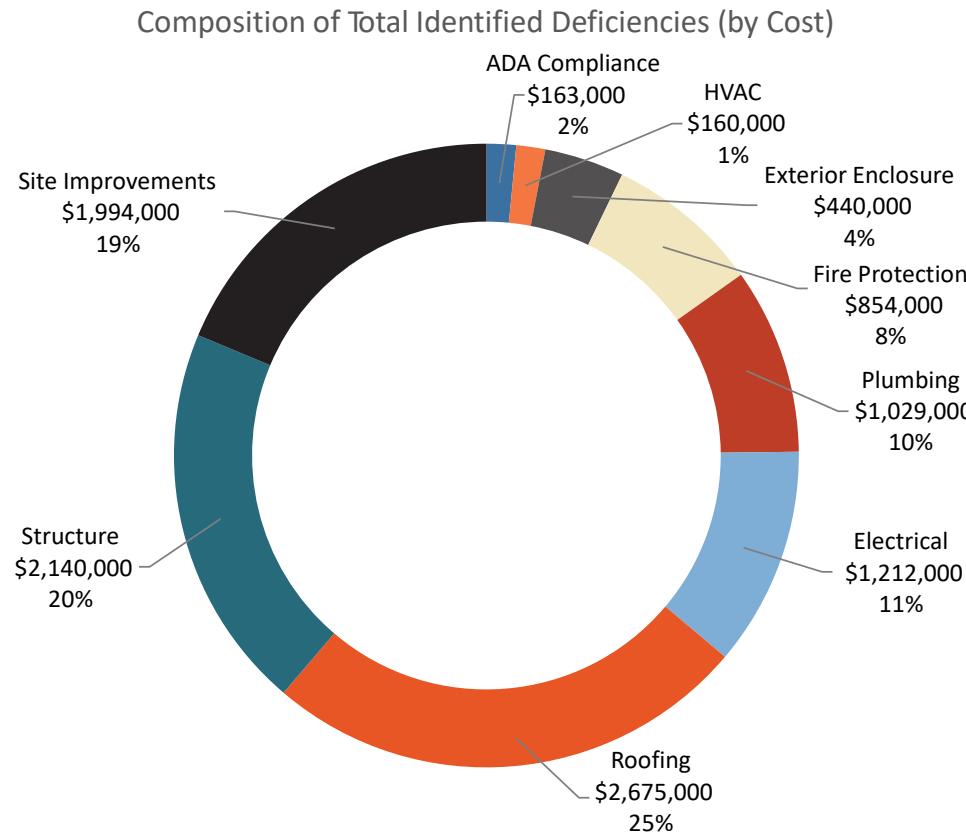
Educational Adequacy Scores



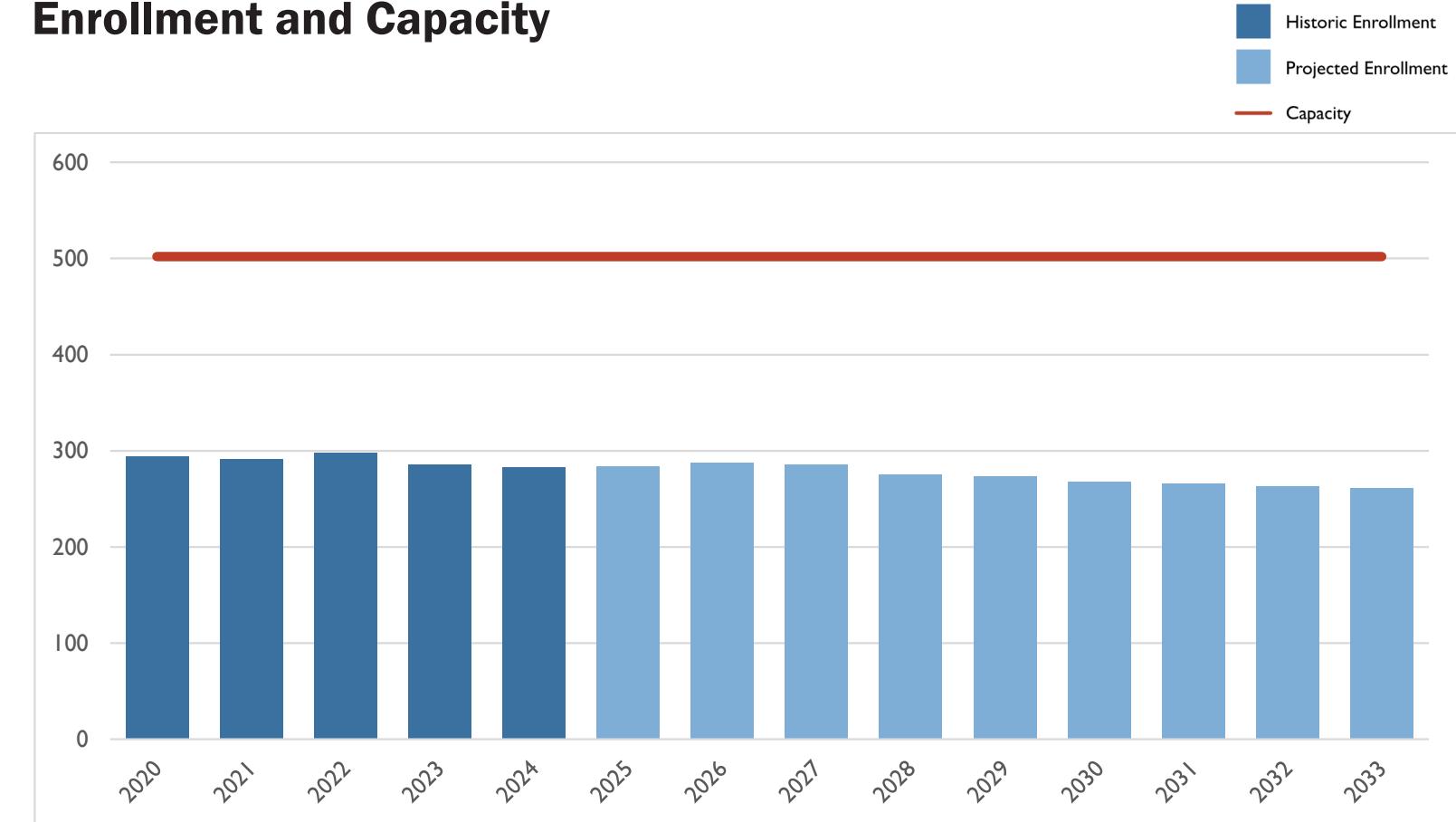
- Classroom
- Extended Learning
- Safety & Security
- Organization
- Presence
- Community
- Environmental Quality

5.2 BARFIELD ELEMENTARY

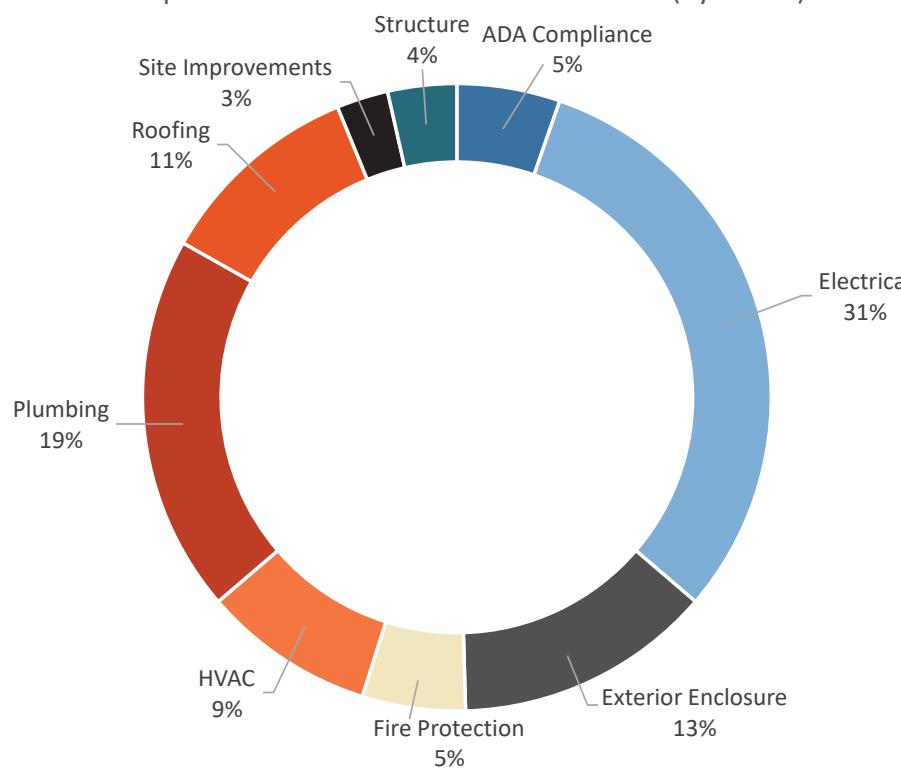
Facility Conditions Assessment



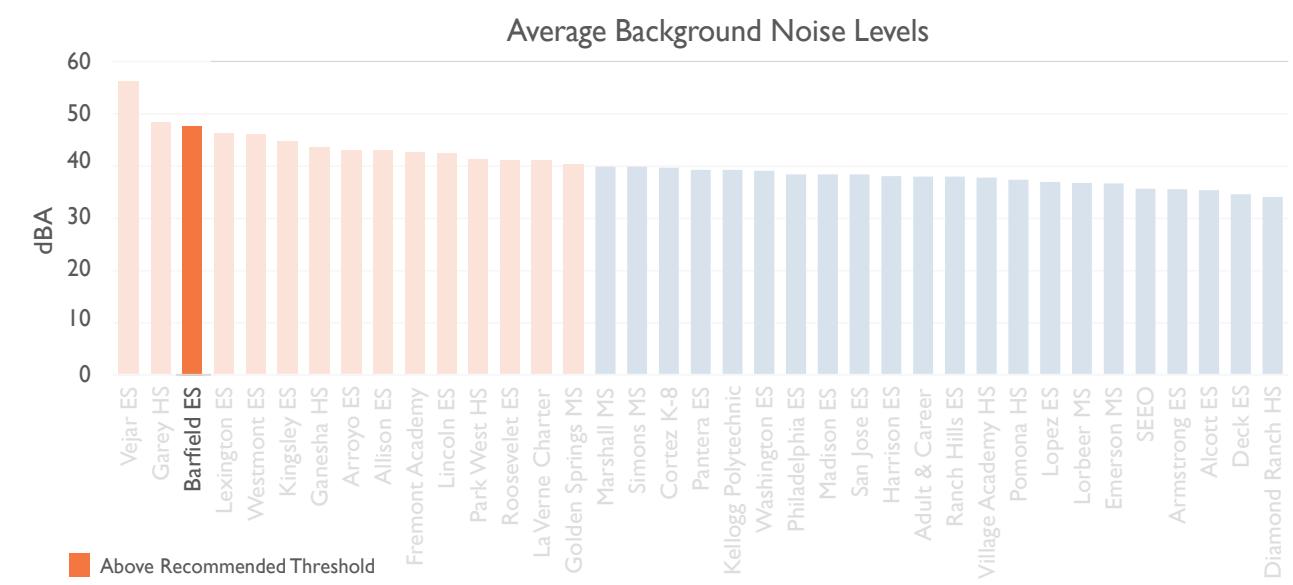
Enrollment and Capacity



Composition of Total Identified Deficiencies (by Count)



Acoustics

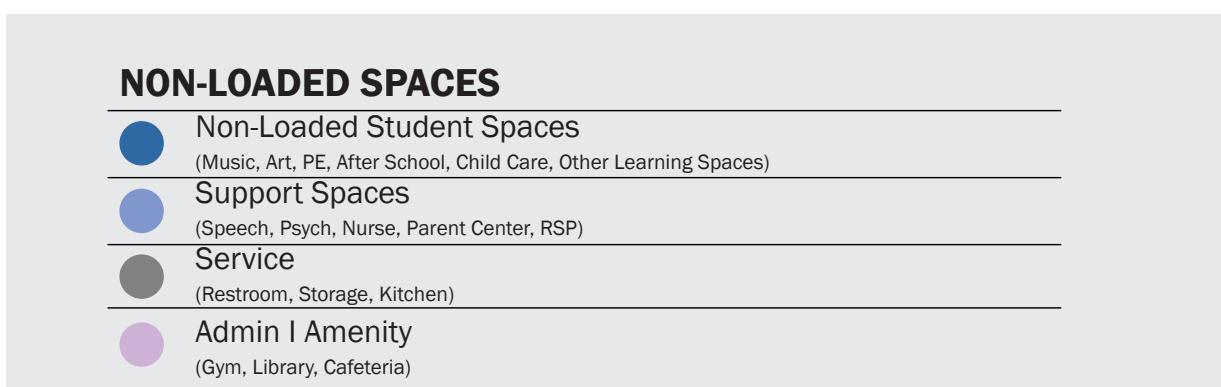
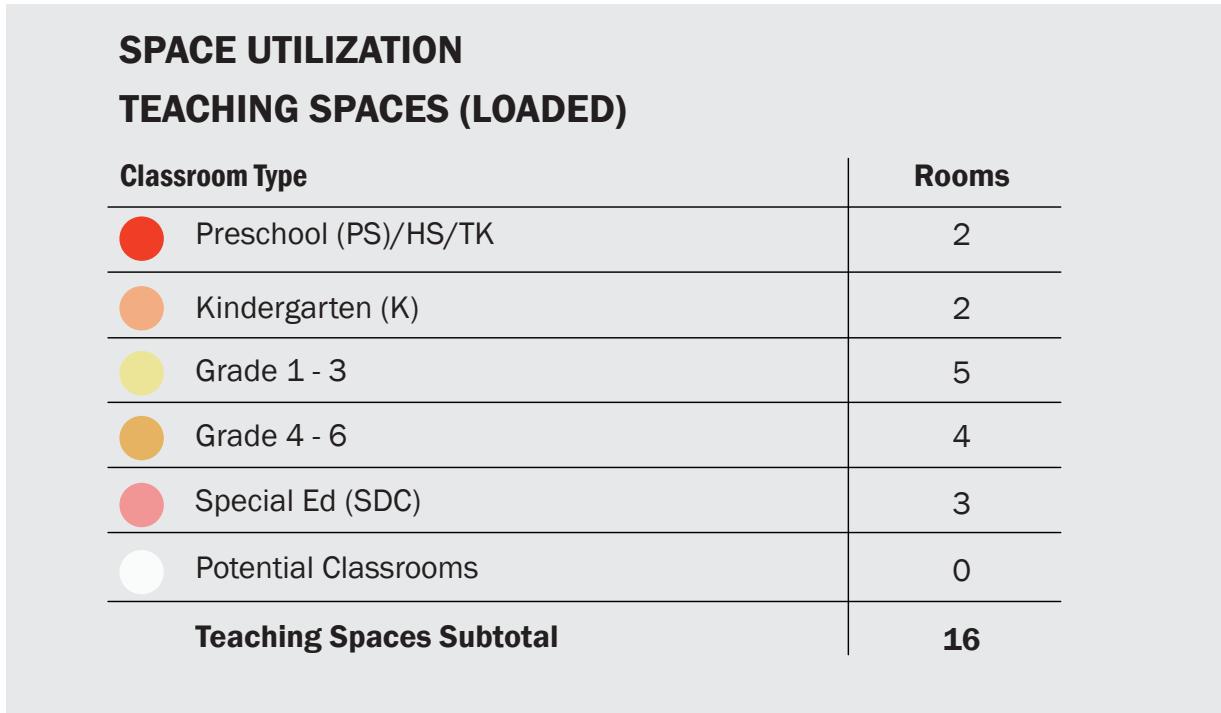


5.3 BARFIELD ELEMENTARY

FACILITY		
Address		2181 N. San Antonio Avenue, Pomona, CA 91767
Year Constructed		1955
Last Modernization		2003
Grades served		Kindergarten - 6th
Acreage		8.8
Estimated Capacity		452
Parking		33 +2 ADA = 35 Total
	Building	Area
Total	13	53,539 SF
Permanent	4	28,039 SF
Portable	9	25,500 SF
Recent Facility Upgrades	<ul style="list-style-type: none"> • Energy Conservation • Lighting • HVAC 	



5.4 BARFIELD 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	WR	Workroom
KIT	Kitchen		
LIB	Library		



5.5 BARFIELD 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	2	20	40		
TK	10	24	1	10	24		
K	25	24	2	50	48		Appendix XVI.3, page 138
1-3	25	24	5	125	120		
4-6	25	32	4	100	128		12.1, page 40
SPED	9	14	3	27	42		12.4.2, page 42
TOTALS			17	332	402	266	

ADDITIONAL SPACES REFERENCE

Additional Spaces	Proposed Location ID
OT/PT	A
Parent Center	B
Music	C
Curriculum Specialist / PD	In existing building
Intervention Resource	E
Learning / Care Center	F
Fitness	G
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

Barfield ES		Educational Specifications		
Space Type	Sq. Ft	Qty	Total Sq. Ft.	
1 - STORY BUILDING				
I LIBRARY				
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	
J/K STEM LAB / TLC				
Lab	960	1	960	
Broadcast Room	270	1	270	
Breakout Tech	150	1	150	
Lab Storage	200	1	200	
P STUDENT SUPPORT SERVICES - LEARNING / CARE CTR				
Medium Office	200	2	400	
Small Office	100	5	500	
Conference 1	150	1	150	
Conference 2	300	1	300	
Team Planning	200	1	200	
Care Center	800	1	800	
C/K MUSIC FLEX / TLC				
Lab	1,300	1	1,300	
Instrument Storage	250	1	250	
General Storage	200	1	200	
E RSP				
Intervention Room	380	2	760	
Small Group / office	200	1	200	
SUB-TOTAL NET SQUARE FOOTAGE			8,790	
20% Grossing Factor (Assumes 1-Story)			1,758	
TOTAL GROSS SQUARE FOOTAGE			10,548	
1 STORY CLASSROOM BUILDING				
H STAFF SUPPORT				
Staff Lounge	800	1	800	
Workroom	300	1	300	
Staff Restrooms (All Inclusive)	100	4	400	
SPECIAL ED				
Classrooms	1,000	2	2,000	
Laundry Room	100	1	100	
Restroom Changing (shared)	200	1	200	
A OT/PT				
OT/PT Space	820	1	820	
Storage	100	1	100	
Restroom	80	1	80	
PS, TK CLASSROOMS				
Classrooms	1,000	3	3,000	
Prep / Storage	200	1.5	300	
Restroom	75	5	375	
Outdoor Storage	100	1	100	
SUB-TOTAL NET SQUARE FOOTAGE			8,575	
20% Grossing Factor (Assumes 1-Story)			1,715	
TOTAL GROSS SQUARE FOOTAGE			10,290	

5.6 BARFIELD 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	Building B	600	SF	\$ 560.00	\$ 336,000.00	\$ 450,240.00	\$ 589,724
New 1-story building	Addition	Library, STEM, Student Support (Bldg 1)	10,548	SF	\$ 840.00	\$ 8,860,320.00	\$ 11,872,828.80	\$ 15,551,031
New 1-story building	Addition	Staff, SPED, PS, TK (Bldg 2)	10,290	SF	\$ 840.00	\$ 8,643,600.00	\$ 11,582,424.00	\$ 15,170,659
Demo of existing portables	Demolition		14,800	SF	\$ 14.00	\$ 207,200.00	\$ 277,648.00	\$ 363,663
Heavily modernize restrooms	Heavy modernization		1,550	SF	\$ 210.00	\$ 325,500.00	\$ 436,170.00	\$ 571,295
Heavily modernize admin	Heavy modernization	Building A	2,040	SF	\$ 280.00	\$ 571,200.00	\$ 765,408.00	\$ 1,002,531
Heavily modernize MPR	Heavy modernization	Building B	3,440	SF	\$ 210.00	\$ 722,400.00	\$ 968,016.00	\$ 1,267,907
Heavily modernize classrooms	Heavy modernization	Building C	13,160	SF	\$ 105.00	\$ 1,381,800.00	\$ 1,851,612.00	\$ 2,425,241
Heavily modernize classrooms	Heavy modernization	Building D	3,420	SF	\$ 105.00	\$ 359,100.00	\$ 481,194.00	\$ 630,268
Heavily modernize food service	Heavy modernization	Building B	1,050	SF	\$ 224.00	\$ 235,200.00	\$ 315,168.00	\$ 412,807
Hazmat remediation	Heavy modernization	All buildings built prior to 1980	24,660	SF	\$ 42.00	\$ 1,035,720.00	\$ 1,387,864.80	\$ 1,817,825
								\$ 39,802,954

5.7 BARFIELD 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	20	Quantity	\$ 4,200.00	\$ 84,000.00	\$ 112,560.00	\$ 147,431
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	Improve drop-off / pick-up zone	Campus upgrade		23,000	SF	\$ 70.00	\$ 1,610,000.00	\$ 2,157,400.00	\$ 2,825,763
HIGHEST	Site lighting	Security		45,000	SF	\$ 2.10	\$ 94,500.00	\$ 126,630.00	\$ 165,860
HIGHEST	New outdoor classrooms	Campus upgrade	Linear courtyards (2)	15,500	SF	\$ 70.00	\$ 1,085,000.00	\$ 1,453,900.00	\$ 1,904,318
HIGHER	Site infrastructure upgrades - Elementary	Site infrastructure	Main Plumbing, Sewer, Electrical Pathways	45,060	SF	\$ 15.00	\$ 675,900.00	\$ 905,706.00	\$ 1,186,294
HIGHER	Furniture enhancements	Campus upgrade	Half the campus classroom count	7	Quantity	\$ 21,000.00	\$ 147,000.00	\$ 196,980.00	\$ 258,004
HIGHER	Site IT upgrades	Site infrastructure		24,660	SF	\$ 28.00	\$ 690,480.00	\$ 925,243.20	\$ 1,211,884
HIGHER	Upgrade fields	Campus upgrade		128,000	SF	\$ 4.20	\$ 537,600.00	\$ 720,384.00	\$ 943,559
HIGHER	New play structures with rubberized surface	Campus upgrade	Reg school and Pre-K/TK	2	Quantity	\$ 105,000.00	\$ 210,000.00	\$ 281,400.00	\$ 368,578
HIGHER	Add shade structure(s)	Campus upgrade		2,800	SF	\$ 70.00	\$ 196,000.00	\$ 262,640.00	\$ 344,006
HIGHER	Expand parking	Campus upgrade		14,000	SF	\$ 42.00	\$ 588,000.00	\$ 787,920.00	\$ 1,032,018
HIGHER	Resurface asphalt - hardcourts	Campus upgrade		48,000	SF	\$ 7.00	\$ 336,000.00	\$ 450,240.00	\$ 589,724
HIGHER	New chain-link fencing	Security	7' high - along Towne Ave	575	LF	\$ 49.00	\$ 28,175.00	\$ 37,754.50	\$ 49,451
HIGHER	Motorized gate	Security		1	Quantity	\$ 14,000.00	\$ 14,000.00	\$ 18,760.00	\$ 24,572
HIGH	Resurface asphalt - parking	Campus upgrade		45,000	SF	\$ 7.00	\$ 315,000.00	\$ 422,100.00	\$ 552,867
HIGH	New drinking fountains with bottle filling stations	Campus upgrade		2	Quantity	\$ 8,400.00	\$ 16,800.00	\$ 22,512.00	\$ 29,486
HIGH	Campus landscaping	Campus upgrade	Front of school branding, landscape upgrades	7,000	SF	\$ 0.64	\$ 4,508.00	\$ 6,040.72	\$ 7,912
HIGH	Exterior paint entire campus	Campus upgrade	Existing buildings only, excluding demo and new buildings	24,660	SF	\$ 4.20	\$ 103,572.00	\$ 138,786.48	\$ 181,783
HIGH	New site fire hydrant (for new buildings)	Site infrastructure		2	Quantity	\$ 35,000.00	\$ 70,000.00	\$ 93,800.00	\$ 122,859
									\$ 11,962,339

*District-wide Initiatives

TABLE 1 + TABLE 2 PROJECTS TOTAL COST

\$ 51,765,293

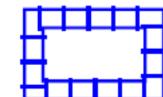
5.8 BARFIELD ELEMENTARY

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.

