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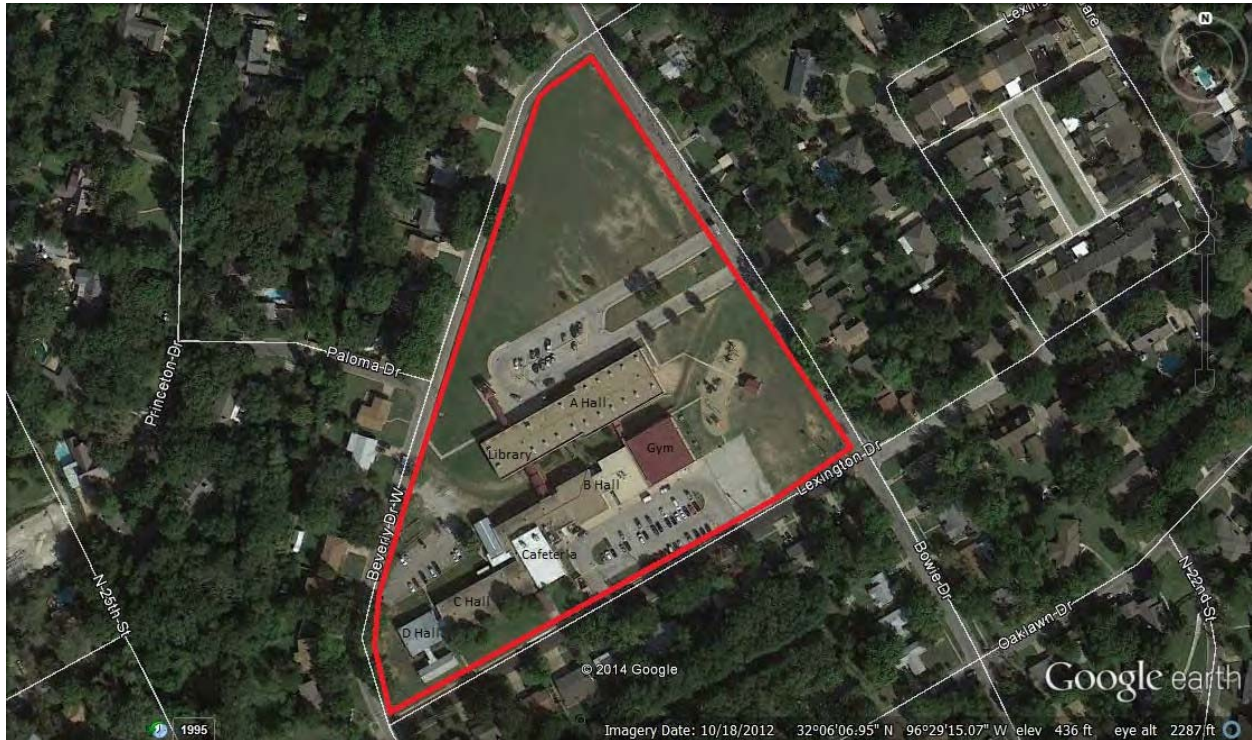
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# Bowie Elementary



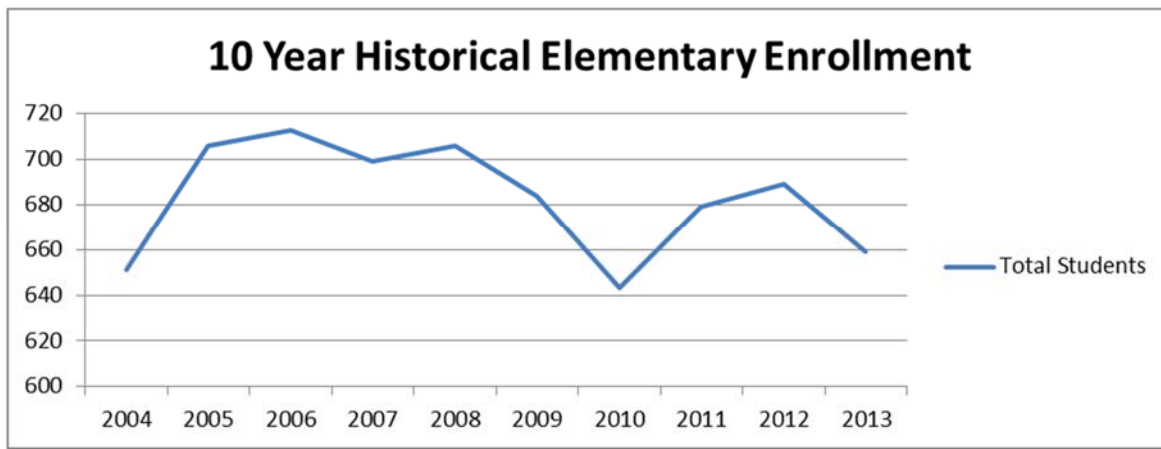
## *General comments, campus capacity, and student demographics*

Bowie Elementary was originally constructed in 1957 with an addition in 1981 and an addition and major renovation in 2000. The campus is comprised of about 74,000 square feet and rests on approximately 3.1 acres. There are currently 667 students enrolled, Kinder through 5<sup>th</sup> grades, and 75 staff. The buildings are generally in good condition, but there are pressing maintenance and repair issues that need to be addressed.

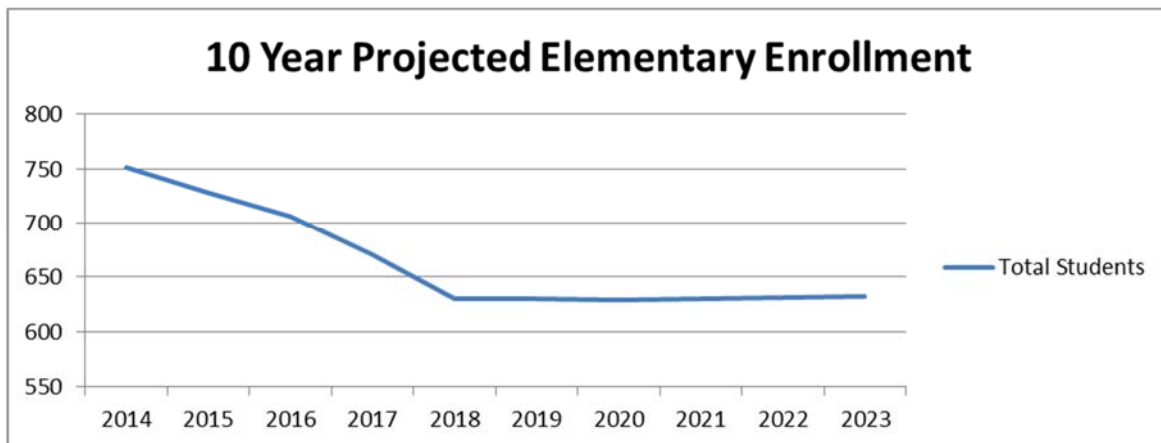
<b>Current Enrollment:</b>	Pre-K	0
	Kinder	94
	1st	131
	2nd	113
	3rd	116
	4th	101
	5th	112
	<b>Total:</b>	<b>667</b>

<b># of Permanent General Instruction Classrooms:</b>	28	<i>(excludes portable bldgs., science and PC labs, and specialized learning areas)</i>
<b>Maximum # of Students per Classroom:</b>	22	
<b>Maximum # of Students - Campus:</b>	616	<i>(without utilization factor)</i>
<b>Utilization Factor:</b>	0.95	<i>(to allow enrollment and program fluctuation)</i>
<b>Adjusted Campus Capacity:</b>	585	
<b># of Students Over Capacity:</b>	82	
<b>% Capacity:</b>	114%	

10 Year Historical Elementary Enrollment										
Grade	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Kinder	108	110	100	88	101	102	95	98	137	92
1st	121	124	127	108	95	107	100	108	107	135
2nd	110	129	128	129	126	92	108	110	116	109
3rd	109	116	125	131	130	131	97	111	108	113
4th	111	111	113	129	131	123	125	111	107	101
5th	92	116	120	114	123	129	118	141	114	109
6th	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>651</b>	<b>706</b>	<b>713</b>	<b>699</b>	<b>706</b>	<b>684</b>	<b>643</b>	<b>679</b>	<b>689</b>	<b>659</b>
<b>Growth %</b>	N/A - Base Year	8.45%	0.99%	-1.96%	1.00%	-3.12%	-5.99%	5.60%	1.47%	-4.35%
<b>Student Growth</b>	N/A - Base Year	55	7	(14)	7	(22)	(41)	36	10	(30)



10 Year Projected Elementary Enrollment										
Grade	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Kinder	86	81	76	72	67	63	59	56	52	49
1st	91	86	80	75	71	70	69	69	68	67
2nd	140	94	89	83	78	81	84	87	91	94
3rd	113	146	98	92	87	90	94	97	101	105
4th	110	111	142	96	90	88	86	84	82	80
5th	101	110	110	142	96	96	95	95	95	95
6th	109	101	110	110	142	142	142	142	142	142
<b>Total</b>	<b>751</b>	<b>728</b>	<b>706</b>	<b>671</b>	<b>630</b>	<b>630</b>	<b>629</b>	<b>630</b>	<b>631</b>	<b>632</b>
<b>Growth %</b>	13.95%	-3.02%	-3.05%	-5.01%	-5.99%	-0.12%	-0.03%	0.05%	0.14%	0.22%
<b>Student Growth</b>	92	(23)	(22)	(35)	(40)	(1)	(0)	0	1	1



## 1.0 School Site

### Topography and Drainage

- Poor drainage and erosion is present in the court yard and the west drainage channel. Drainage should be corrected to stabilize soil.



- Ground grade sloping to building. Grade should be corrected to drain away from building to protect slab from excessive moisture.



**Parking and Drives**

- The North and Northwest parking lot surfaces are in need of resurfacing.



- Campus is 17 parking spaces short of the recommended spaces based on the staff and student load.

Area	Regular Spaces	ADA	Van Accessible	Surface Type	Surface Condition	Striping Condition	Lighting
North or Front Lot	20	2	1	Asphalt	Fair to Poor	Fair	Good
Northwest Lot	23	0	0	Asphalt	Poor	Fair	Fair
South	48	4	2	Asphalt	Fair	Fair	Good
<b>Total</b>	<b>91</b>	<b>6</b>	<b>3</b>				
<b>Total recommended/required</b>	<b>108</b>	<b>4</b>	<b>3</b>				
<b>Difference +/-</b>	<b>(17)</b>	<b>+ 2</b>	<b>+ 0</b>				

Parking based on: 75 Staff  
667 Students

## 2.0 Building Systems and Components

### ADA Accessibility

- There is an assessable route to the playscape equipment but no accessible route to the equipment itself over or through the fall protection material.
- Cross slope over the allowed 2% on walkway and ramp.
- Walkways over the allowed 5% slope with no handrails.
- Step up in route over  $\frac{3}{4}$  of an inch.



- "A" hall is mostly ADA compliant; other halls "B", "C", and "D", have accessibility issues (i.e. door knobs, or compliant sinks, or accessible route, or signage)

### Roofs

- Most roofs are built up gravel with approximately 10 years of life left; D Hall, Portables, and Gym have metal roof systems with 10 plus years of life left.
- C hall has trees hanging over the roof line; limbs and leaves need to be removed from roof and the trees should be trimmed.



### **Foundations**

- There are signs of movement between flat work and building as well as cracks in brick face.

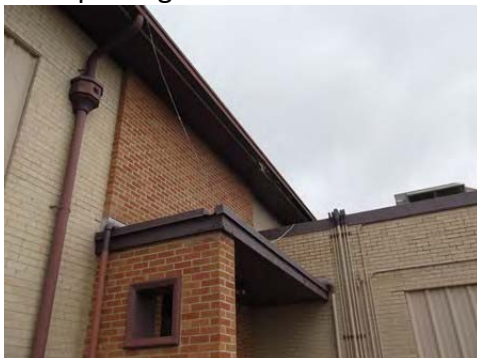


### **Building Envelope**

- Cracked brick face.



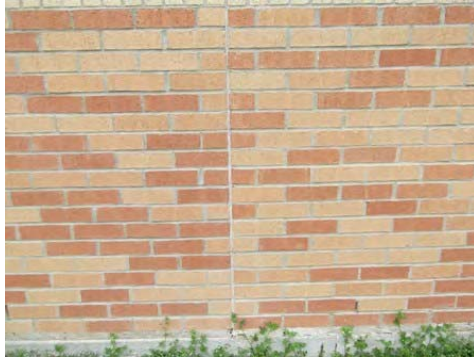
- Paint peeling from soffit and fascia.



- Single pane glass, glazing cracking, and seam caulk cracking.



- Brick expansion joint caulk cracking.



- Threshold not forming a weather tight seal bottom of door.



### **Electrical, Communications, and Data Infrastructure**

- Exposed conduit on external wall.





- Exposed electrical outlet at water fountain, does not appear to be GFCI protected.



### **Drinking Fountains**

- Water fountains not working in Gym and C111



## Restrooms

- Additional water closets and urinals should be provided to serve the student population.

### **Student**

Campus/Location	Boys Commodes	ADA Boys Commodes	Urinals	Sinks	ADA Sinks	Girls Commodes	ADA Girls Commodes	Classroom/Unisex Commodes	ADA Classroom/Unisex Commodes
A Hall Classrooms					15				15
A Hall	2	1	3	3		4	1		
B Hall	2	1	4	2	2	2	2		
C Hall	1	1	3	4		3	1		
D Hall				1				1	
Gym	1	1	3	4	1	4	1		
<b>Totals</b>	<b>6</b>	<b>4</b>	<b>13</b>	<b>14</b>	<b>18</b>	<b>13</b>	<b>5</b>	<b>1</b>	<b>15</b>
<b>+ / (-) Recommended</b>	<b>(10)</b>		<b>(9)</b>	<b>(3)</b>		<b>(6)</b>			

### **Staff**

Campus/Location	Men's Commode	ADA Men's Commode	Urinals	Sinks	ADA Sinks	Women's Commode	ADA Women's	Unisex Commode	ADA Unisex Commode
Administration					1				1
Lounge					1				1
Cafeteria				1				1	

## Plumbing Infrastructure

- Flush valve is leaking C Hall boy's restroom.
- Drainage back up and overflow.



- One gas 100 gal. water heater for the kitchen crowded into small janitor closet, clearances around heater are critical for fire safety.

### Exterior Windows, Doors, and Walls

- Single pane glass, cracking glazing, paint peeling on doors, downspouts, soffits, and fascia.



**Flooring**

- Carpet seams opening up exposing subfloor; tile flooring cracked and missing, exposing subfloor.



### **Interior Doors, Cabinets, Ceilings and Walls**

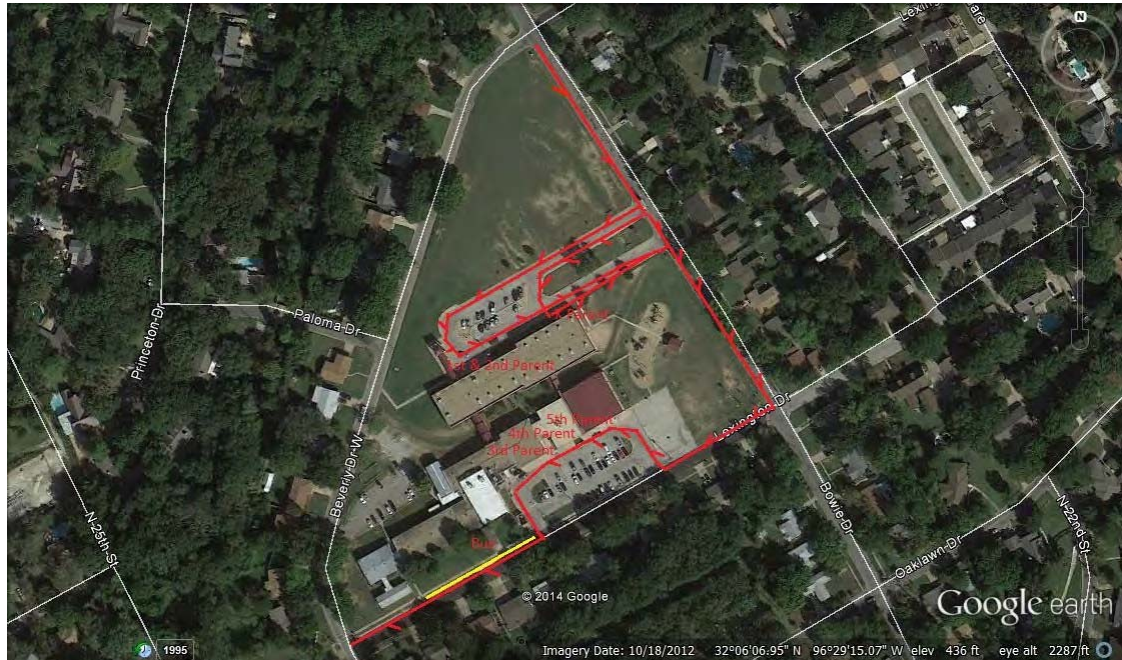
- Most cabinets are in fair to good condition being made of solid wood.
- High traffic door scuffed and scraped.



### 3.0 Building Safety and Security

#### Student Loading Areas

- Kinder parent pickup is on the north east side of office; 1<sup>st</sup> and 2<sup>nd</sup> grades parent pickup is at the office. Traffic from 1<sup>st</sup> and 2<sup>nd</sup> parents have to go past/around the kinder parent pickup line then have to turn right as per painted arrow at drive exit. These parents now have to drive past the parents stacking up to pick up the 3<sup>rd</sup> – 5<sup>th</sup> grade students from the south parking lot. The 3<sup>rd</sup> – 5<sup>th</sup> parents have to turn right (one way street) and drive past the bus pick up at the C Hall exterior doors.



#### Playgrounds and Athletic Field Equipment

- Playground is not securely fenced and gates are not locked during the school hours.

#### Campus Security Systems

- The campus is in need of security upgrades, including a secure vestibule at the main entrance of the campus, secure fencing and gates around the entire campus, and additional security cameras at the interior and exterior.
- Several doors were unsecured; main entrance, east entrance (staff was present), and southwest entrance from portable.
- Not all classroom doors lock from the inside to secure during lockdown.

#### Life Safety Systems

- Smoke detectors are in the newer hall "A" but were not observed in the older halls B, C, & D.

## 4.0 Educational Adequacy

### Size of Academic Learning

- Most classrooms do not meet current TEA space requirements of 800 square feet minimum for Kinder through 1st grades and 700 square feet minimum for 2<sup>nd</sup> through 5<sup>th</sup> grades.
- Currently 6 classrooms are located in temporary portable buildings. Recommend that district construct permanent space to house all classes and programs currently located in these portable buildings.

### Specialized Learning Areas

- 6 specialized classrooms (Speech, dyslexia, special education, and reading lab).

### Library/Resource/Media Center

- Storage room also serves as storage room.

# of students	667
Total sq. ft.	2,805
TEA recommended sq. ft.	3,501
+ / (-) TEA recommended	(696)
Meets TEA recommended	No
Storage sq. ft.	165
Media Center sq. ft.	N/A
Office sq. ft.	140
ork Room sq. ft.	N/A
Age appropriate	Yes

### Gymnasium, Athletic Facilities, P.E. Areas

- Gym has 5,050 square and has seamless rubber floor in good condition.
- Poor storage; stage is used for storage.

### Music Program/Art

- Shared space
- 695 square feet
- Poor storage
- Poor acoustics
- Carpet is adequate for music but poor for art
- No sink for art

### Computer Labs

Room	Square feet	+ / (-) TEA 900 sq. ft. requirement	Max # of PC's *	Current # of PC's	PC's + / (-) TEA requirement
C107	890	(10)	25	41	+ 16

**Teachers’ Lounge and Work Rooms**

- Lounge at cafeteria with 500 square feet seating 14 two sinks, one microwave, and one refrigerator.
- Workrooms are in B102 with 370 square feet and eight seats with addition space in the administration area with 215 square feet one sink, one microwave, and one refrigerator in two rooms.

**Cafeteria and Kitchen**

- Flooring in kitchen is in poor condition.
- Storage is very limited with 40 square feet of dry storage and the same for cold storage.

Cafeteria - Seating Area				Serving Area			
Square Feet - Actual	Square Feet - Recommended *	Square Feet +/- Recommended	Seating Capacity	Square Feet - Actual	Square Feet - Recommended **	Square Feet +/- Recommended	# of Serving Lines
3,115	1,520	+ 1,595	152	120	76	+ 44	2

\* 10 square feet per seat

\*\* ½ a square feet per seat

Kitchen					Lunch Periods		
Square Feet - Actual	Square Feet - Recommended ***	Square Feet +/- Recommended	Storage	Average Daily Meals Served	# of Lunch Periods	Begins at:	Ends at:
450	3,644	(3,194)	Limited	1,041	6	10:40	12:45

\*\*\* 3 ½ square feet per meal served

**Nurse’s Clinic**

-

Square Feet	+ / (-) recommended	# of Sick Beds / Private	# of Restrooms	Sink	Secure Storage	Near front office
180	(320)	2 / no	1	Yes	Yes	Yes

**Reception Space**

- 500 square feet, seating six and does not obstruct hall traffic.
- The receptionist can observe the front doors.