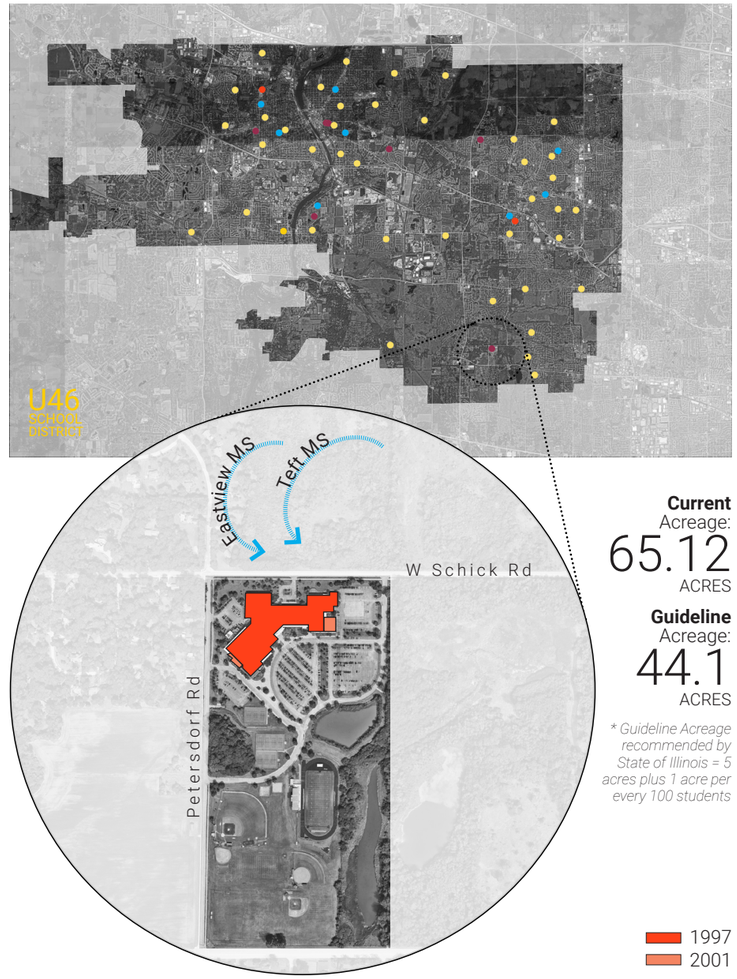
Bartlett
High School

701 Schick Road,Bartlett, IL 60103

BUILDING SUMMARY			
Gross SF	397,800	Number of Levels	3
Year Built	1997	Number of Additions	1

FACILITY LOCATION



Current Acreage: 65.12 ACRES

Guideline Acreage: 44.1 ACRES

** Guideline Acreage recommended by State of Illinois = 5 acres plus 1 acre per every 100 students*

1997
2001

TRAVEL

7-9 MIN Furthest approximate travel time from one location to another for an average **High School Student.**

PLAN KEY

- Administration
- Building Support
- Cafe Support
- Commons / Cafeteria
- Core Classroom
- Elective Classroom
- Gym / Fitness
- Kindergarten /ECC
- Learning Center
- Media Lab
- Performance Venue
- Performing Arts Classroom
- Resources
- Science Lab
- Special Education
- Stem / Hands-On Learning
- Restrooms
- Student Support
- Visual Arts
- Travel Path
- Under-sized space
- 10 Room Capacity based on ISBE Guidelines
- 10 Room Capacity based on ISBE Guidelines (not included in Effective Capacity)

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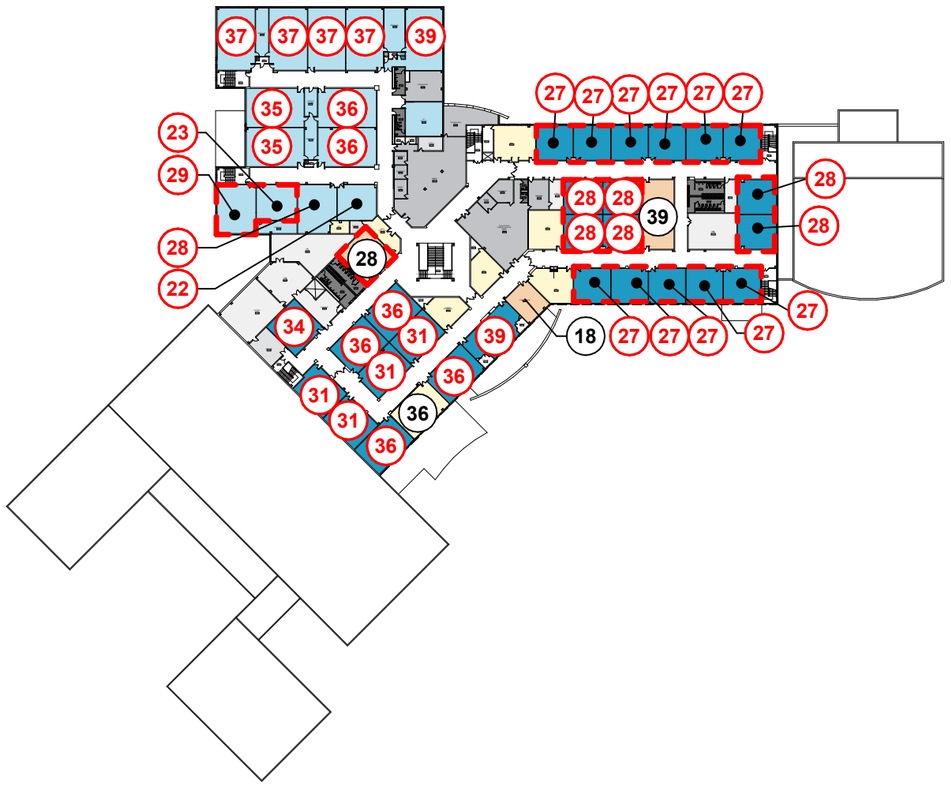


LEVEL 3

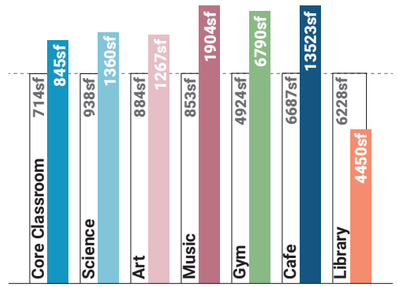
ENROLLMENT METRICS

Occupancy**	**3257**
Effective Capacity	**TBD**
Total Enrollment	**2410**

Occupancy: the maximum number of people that can be housed in a space in accordance with the building/ fire code
NOTE: Occupancy is NOT the recommended number of students for a space, it is the maximum allowed by **code.

Effective Capacity: the amount of students a school can effectively support based on the District's current practices and future vision for teaching and learning. This is calculated based on ISBE's square footage per student guideline. Calculated based on core classrooms, science labs and Special Education spaces.
Enrollment: number of students that attended the facility in 2019-2020.

AREA COMPARISON



BHS Average *(all colored bars)*
U-46 Average

165 square feet per student
Bartlett High School

148 square feet per student
2015 National Low Quartile Number*

* This comparison notes the difference between Bartlett High School area per student in comparison to the current National average as noted in the 2015 School Construction Report. The master planning process will produce outcomes pertinent to the District as a whole. This is just one metric to compare space.

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FACILITY GRADES

Spatial Educational Adequacy(25%)	**C**
(Data collected through Staff Survey)	**6.9/10**
Physical Features	7.0/10
Environment Supports Variety	7.9/10
Visual Stimulation	6.8/10
Future Readiness	5.9/10
Building Allocation(25%)	**A**
Gross SF/student	165
Site Acreage/Guideline	148%
Mobiles in Use/Basement Used	No/No
Facility Condition(35%)	**C**
FCI	.22
Water Usage(5%)	**D**
Gallons/SF	15.0
Energy Usage(10%)	**F**
Total EUI	**91.1kBTU/SF/yr**
Electric	39.2kBTU/SF/yr
Gas	51.9kBTU/SF/yr

AGGREGATED FACILITY GRADE B-

Educational Adequacy grades were determined by a survey issued to staff. Square Foot/Student grades were determined by building area and enrollment. Facility grades are determined building assessments. Water grades were determined by comparing utility data to the Commercial Buildings Energy Consumption Survey. Energy grades were deteremined by comparing utility data to the US Dept of Energy's Building Performance Database. Percent in parenthesis indicates weight of category in aggregate facility grade.

ACTIVITY MAPPING

Activity mapping is based on survey data (Week in the Life) collected by teachers throughout the district over the course of one week. The teachers provided the learning activity and amount of time spent in that activity. Data was aggregated for the school and is represented by the average percent of time spent in the activity.

- Creative Brainstorming
- Direct Instruction
- Focused Study
- Group Discussion
- Hands-On Learning
- Housekeeping
- Physical Activities
- Practicing Autonomy
- Presenting or Performing
- Reserach & Reflection
- Transition

LISTENING TOUR

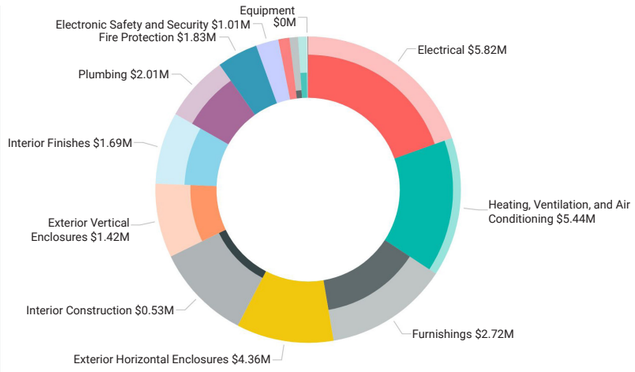
What's a Listening Tour?

Staff surveys (Listening Tours) were sent to each school where faculty gave input about the strengths and weaknesses of the building. The following comments highlight common themes and concerns.

Listening Tour Comments From Staff

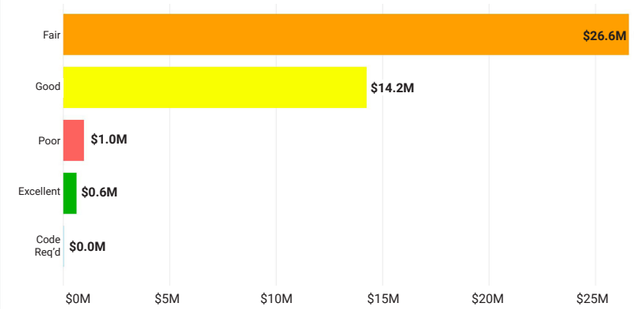
- The multiple learning spaces in the library are some things my classes take advantage of consistently for group work.
- Need more space for athletic office, weight room and spaces that accomodate large equipment and wheelchairs.
- Office finishes in the central office need updating, including circulation and flow into guidance offices.
- Staff like that all of the visual art classes are in one location, but the art classes do not work fluidly with the other courses. There is also limited display for student work.
- Comfortable desks with flexible seating aid in students learning, rather than uncomfortable desks with metal seats that are in some classrooms.

FACILITY BY BUILDING SYSTEM



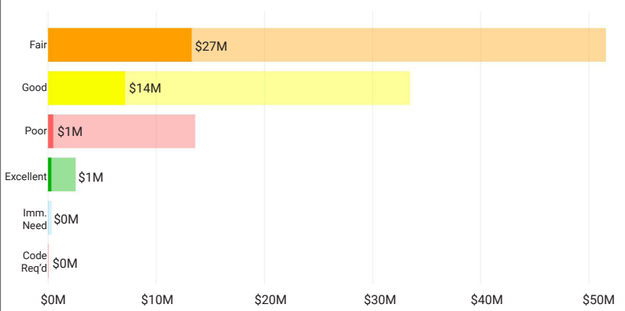
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.

FACILITY BY CONDITION



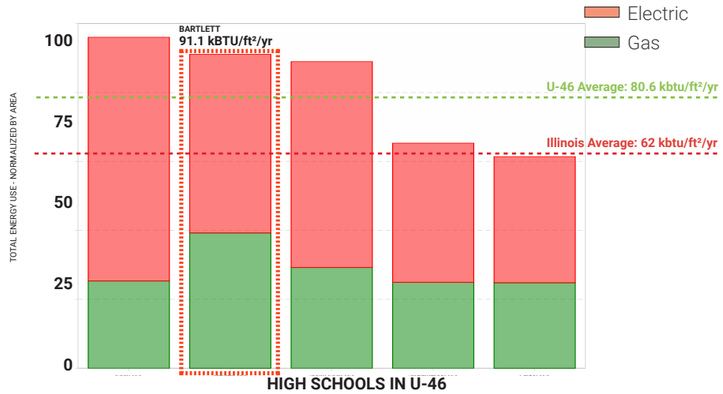
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.

FACILITY AS PART OF TOTAL COHORT



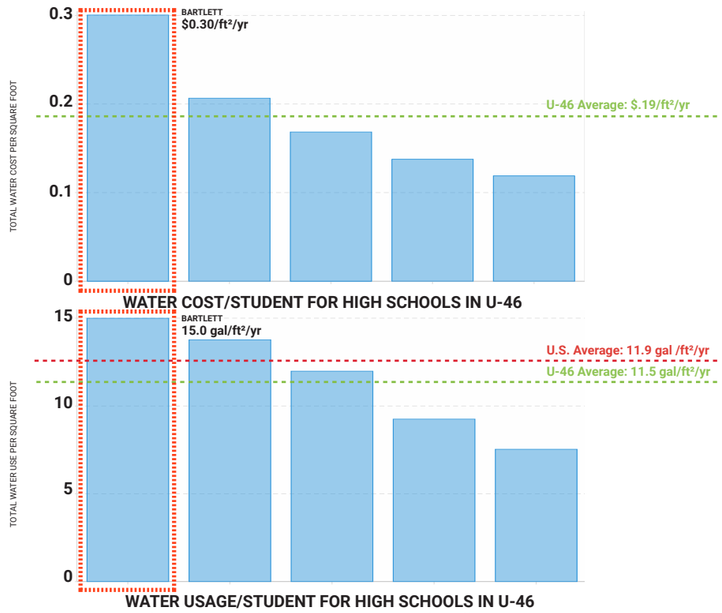
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items in relation to the entire cohort of buildings.

ENERGY USAGE (EUI)



Energy Use Intensity (EUI) is a key metric that expresses a building's energy use as a function of its size. Generally, a low EUI signifies good energy performance

WATER USAGE + WATER COST



Water usage is a key metric that expresses a school's water use and total cost of water in comparison to the other high schools in the district.

DATA COLLECTION

How is this information collected?

The goal of the DLR Group integrated design team is to **collect multiple qualitative and quantitative data points** around the same set of items – for example energy use or learning behavior – **in order to form a holistic picture**. The team collects these data points through the use of utility analysis, expert walkthroughs, focus groups, surveys, and ethnographic observation techniques. The results are validated by cross-checking data points, such as a survey answer and a spot measurement, that should relate to one another.