



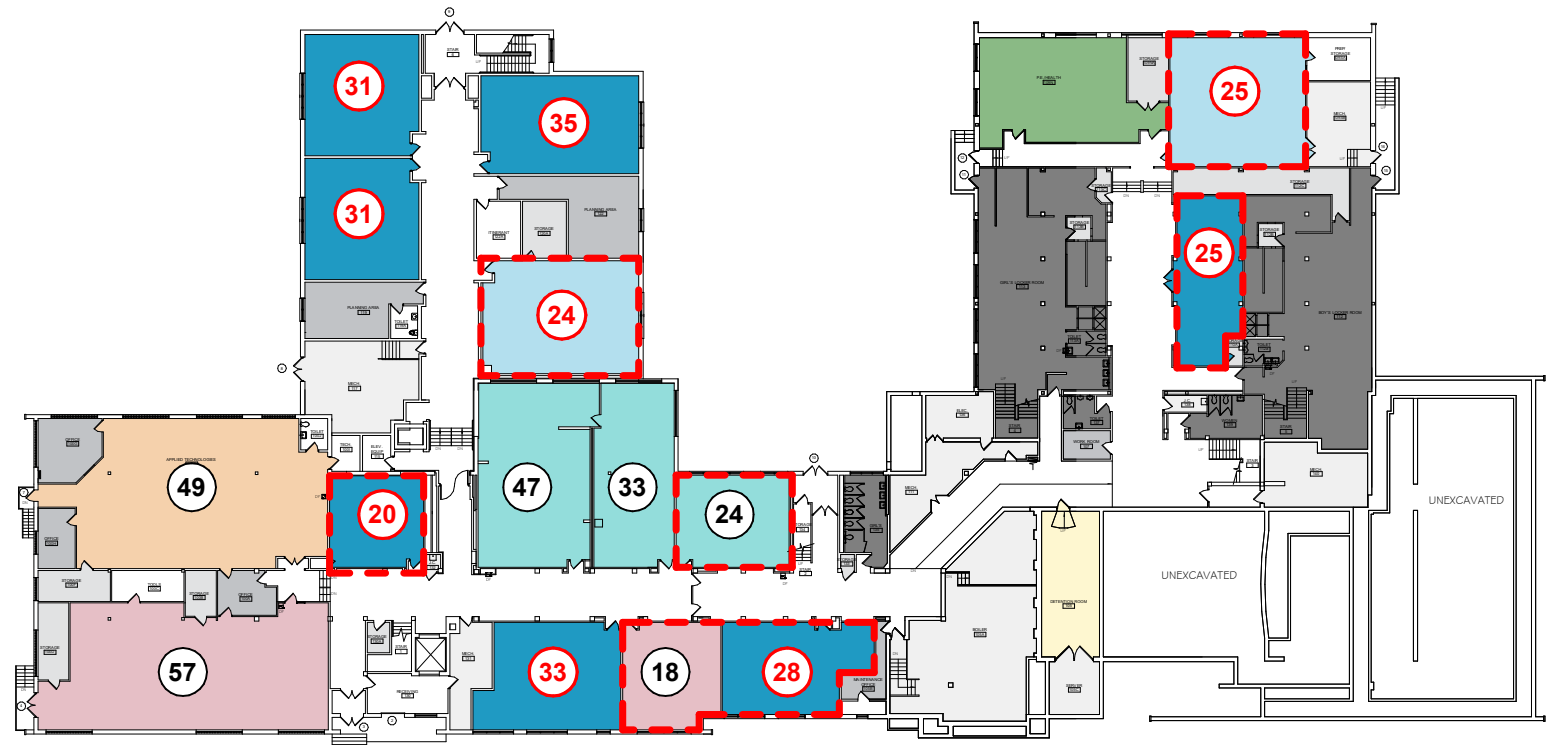
Ellis Middle School

225 South Liberty Street, Elgin, IL 60120

BUILDING SUMMARY			
Gross SF	121,490	Number of Levels	3
Year Built	1952	Number of Additions	1



LEVEL 2



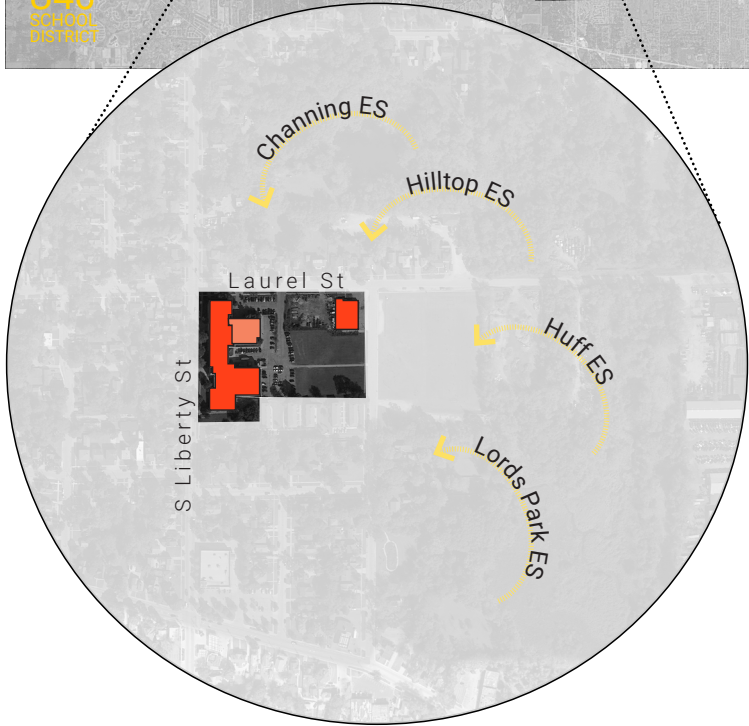
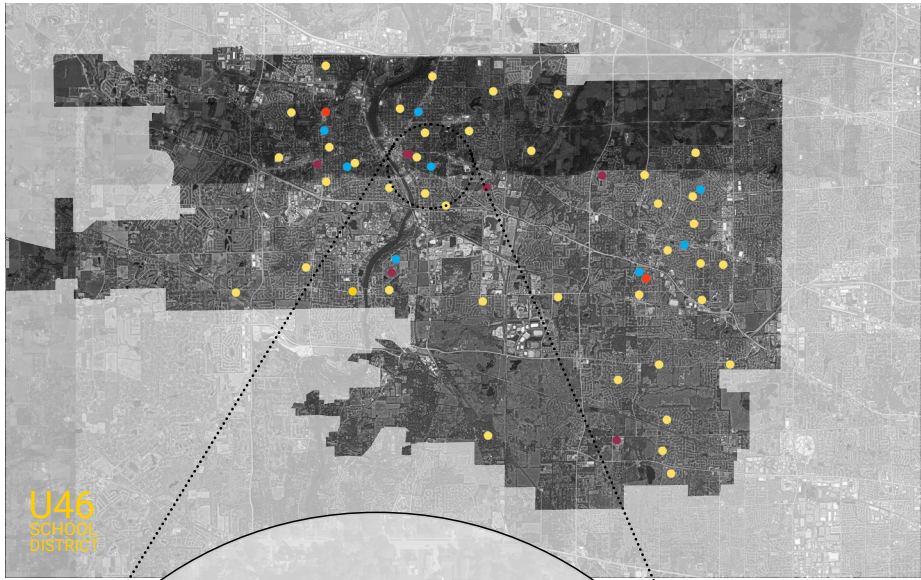
LEVEL 1

Phase 1 Snapshot

FACILITY LOCATION

TRAVEL

PLAN KEY



Current
Acreage:
5.28
ACRES

Guideline
Acreage:
22.55
ACRES

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

1952
2003

3-5 MIN Furthest approximate travel time from one location to another for an average **Middle School Student**.

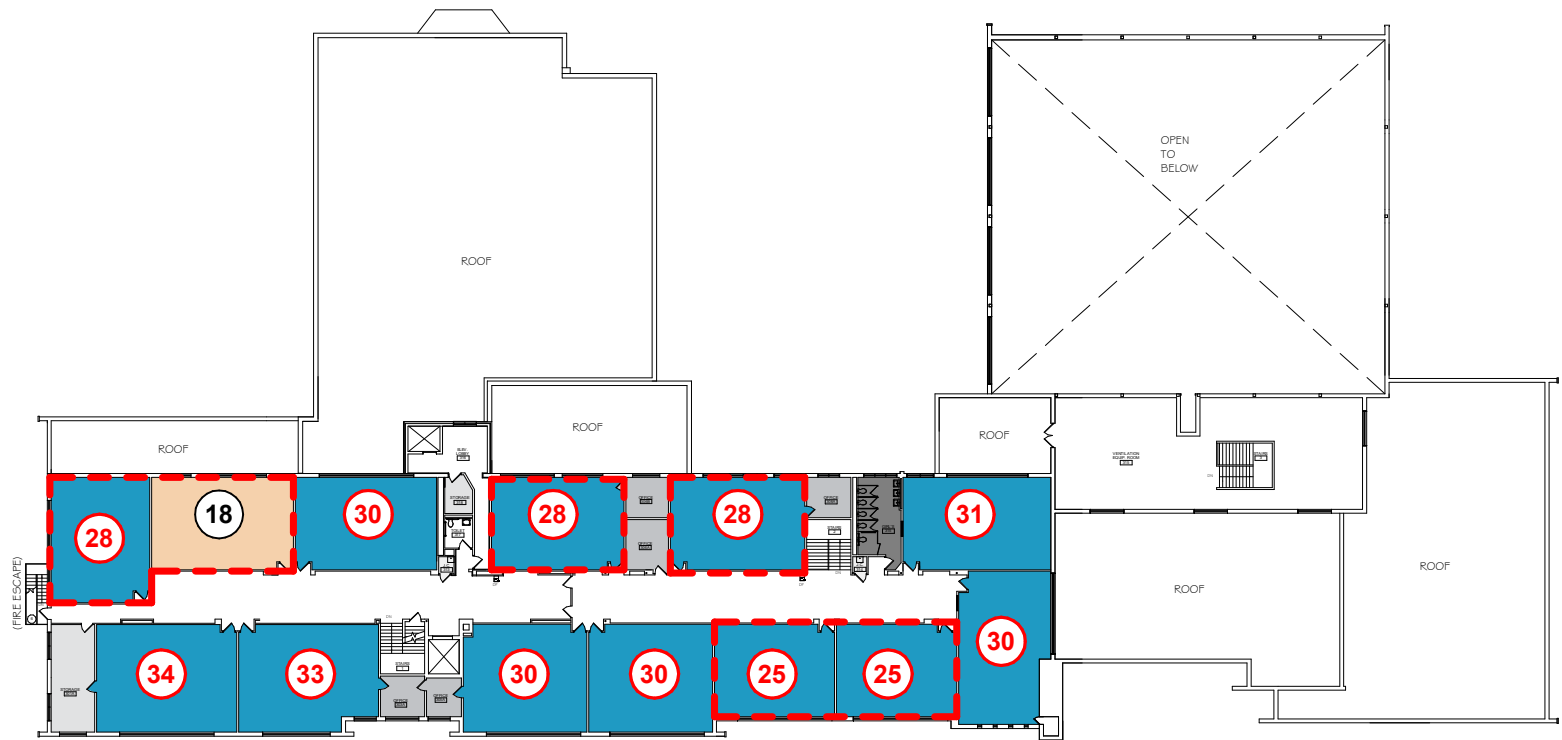
- Administration
- Building Support
- Cafe Support
- Commons / Cafeteria
- Core Classroom
- Elective Classroom
- Gym / Fitness
- Kindergarten / ECC
- Learning Center
- Media Lab
- Performance Venue
- Performing Arts Classroom
- Resources
- Science Lab
- Special Education
- Stem / Hands-On Learning
-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

January 27, 2021



Ellis Middle School

225 South Liberty Street, Elgin, IL 60120



ENROLLMENT METRICS

Occupancy**	1255
Effective Capacity	775
Total Enrollment	755

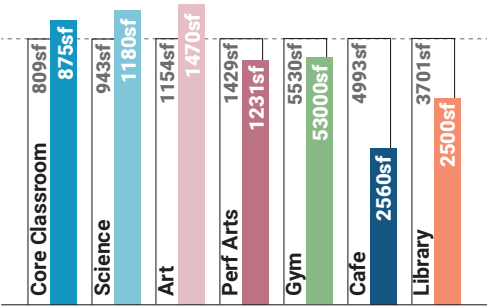
Occupancy: the maximum number of people that can be housed in a space in accordance with the building/ fire code

****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



* This comparison notes the difference between Ellis Middle 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.

161 square feet per student : 147 square feet per student
Ellis Middle School : 2015 National Low Quartile Number*

PLAN KEY

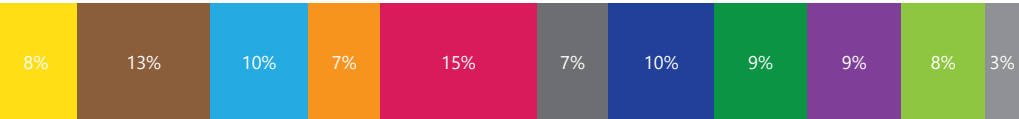
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Spatial Educational Adequacy(25%)	C	Facility Condition(35%)	C
(Data collected through Staff Survey)	6.8/10	FCI	.20
Physical Features	7.4/10	Water Usage(5%)	A
Environment Supports Variety	7.5/10	Gallons/SF	6.2
Visual Stimulation	6.4/10	Energy Usage(10%)	D
Future Readiness	5.7/10	Total	54.6kBTU/SF/yr
Building Allocation(25%)	C	Electric	14.6kBTU/SF/yr
Gross SF/student	161	Gas	40.0kBTU/SF/yr
Site Acreage/Guideline	23%		
Mobiles in Use/Basement Used	No/No		

AGGREGATED FACILITY GRADE C

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 determined 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 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.



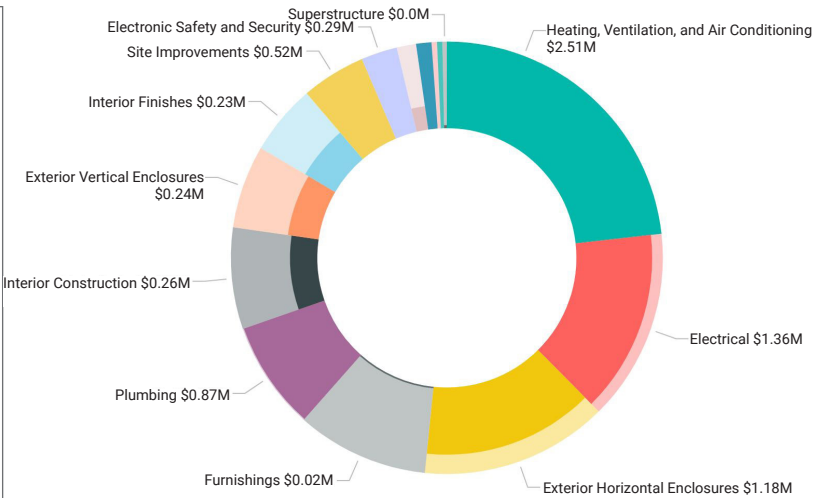
- Creative Brainstorming
- Direct Instruction
- Focused Study
- Group Discussion
- Hands-On Learning
- Housekeeping
- Physical Activities
- Practicing Autonomy
- Presenting or Performing
- Reserach & Reflection
- Transition

What's a Listening Tour?

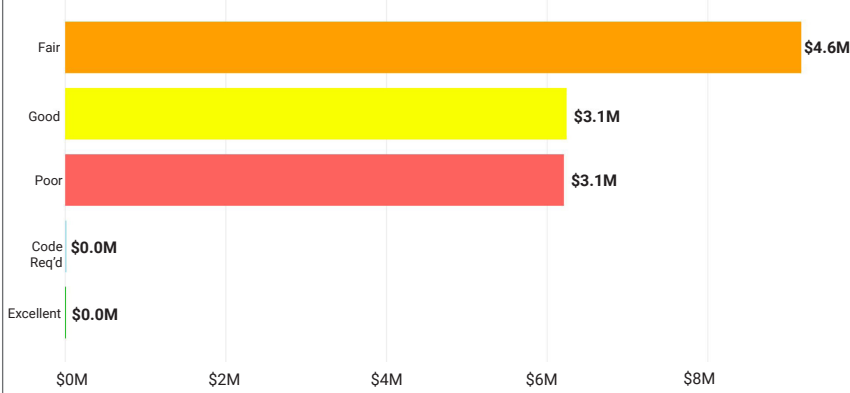
Staff surveys (Listening Tours) were sent to each school where faculty gave input about the strengths and weaknesses of the building. The following comments highlight common themes and concerns.

Listening Tour Comments

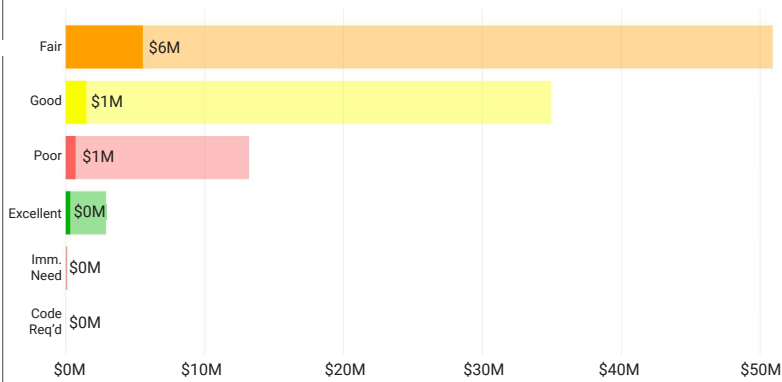
- The new wing has great hallways and classrooms, offices, bathrooms and lockers!
- The main office is small. The counselors are far from the main office. The conference room is small and has oversized furniture.
- Temperature control is problematic.
- Classrooms are used as student work areas (for testing, tutoring, mentoring and retakes) but there is no innovative student work area for collaboration.
- The cafeteria has a nice mural and a very "homey vibe".
- The building is outdated in comparison to other middle schools in the district and affects the students' learning experience.



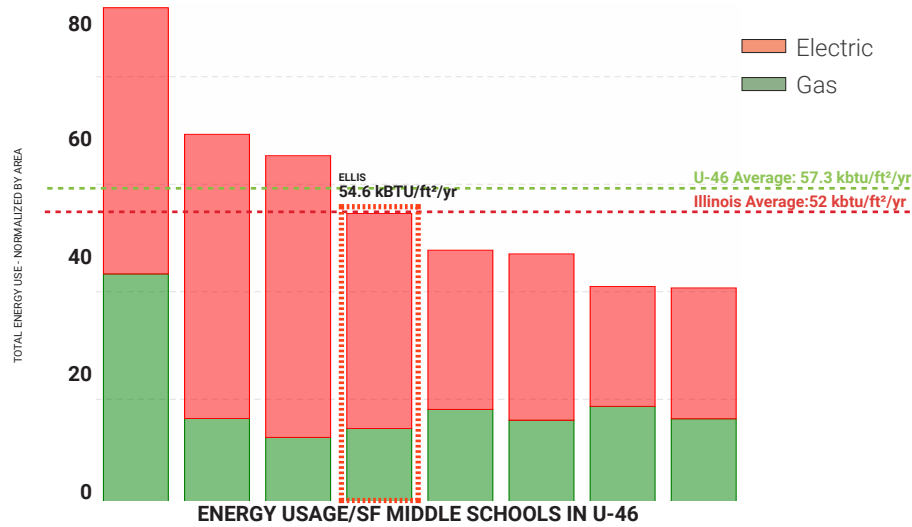
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.



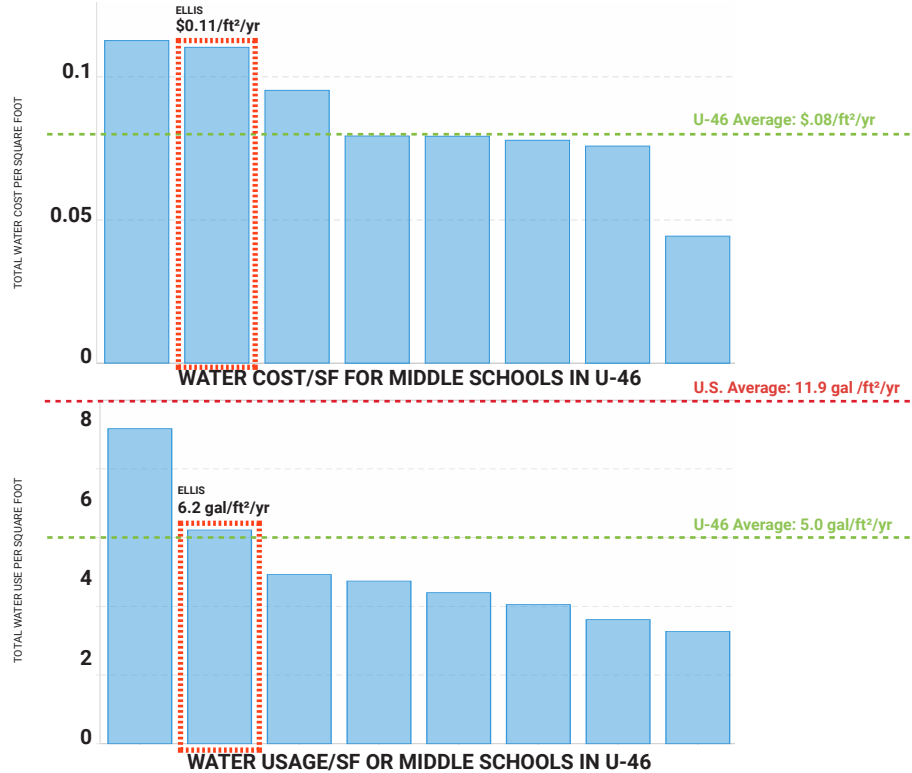
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.



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

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.