



# Laurel Hill Elementary School

1750 Laurel Ave, Hanover Park, IL 60133

BUILDING SUMMARY			
Gross SF	44,530	Number of Levels	1
Year Built	1962	Number of Additions	4



LEVEL 1

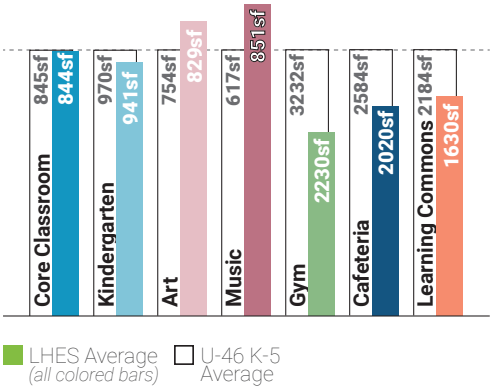
## ENROLLMENT METRICS

Occupancy**	994
Effective Capacity	563
Total Enrollment	472

**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

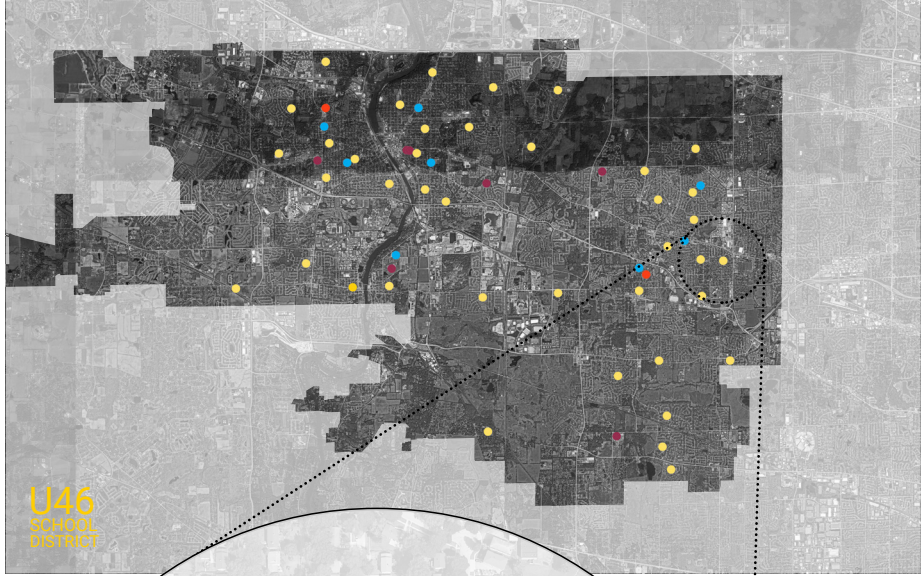


94 square feet per student : 150 square feet per student

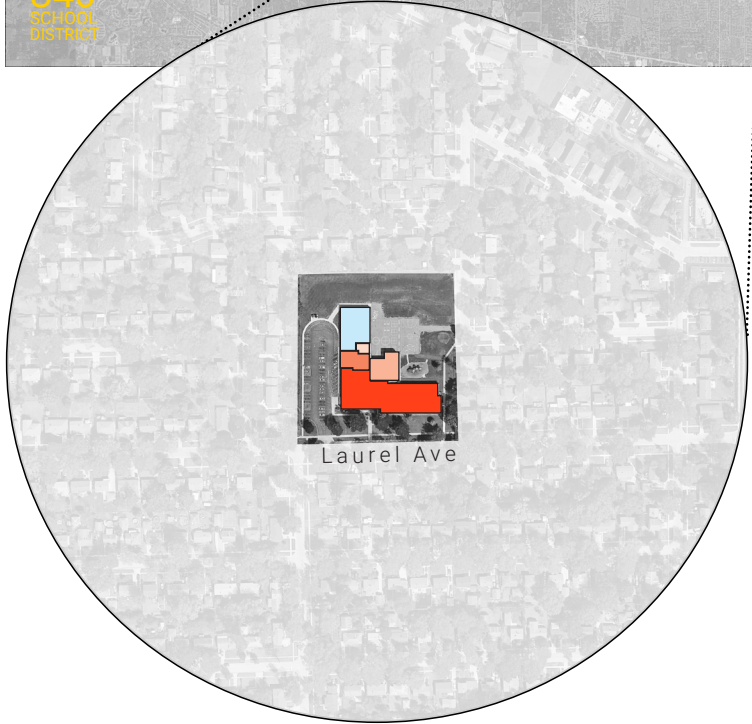
Laurel Hill Elementary School 2015 National Low Quartile Number



## FACILITY LOCATION



U46  
SCHOOL  
DISTRICT



Current  
Acreage:  
4.68  
ACRES

Guideline  
Acreage:  
9.72  
ACRES

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

1962  
1963  
1998  
2004  
2016

## TRAVEL

**10-12 MIN** Furthest approximate travel time from one location to another for an average Kindergarten Student.

**8-10 MIN** Furthest approximate travel time from one location to another for an average Fourth Grade 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
- Room Capacity based on ISBE Guidelines
- Room Capacity based on ISBE Guidelines (not included in Effective Capacity)

FACILITY GRADES

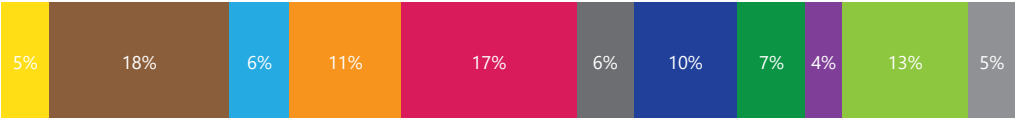
<b>Spatial Educational Adequacy(25%)</b>	<b>B</b>	<b>Facility Condition(35%)</b>	<b>C</b>
(Data collected through Staff Survey)	<b>7.6/10</b>	FCI	.22
Physical Features	7.9/10	<b>Water Usage(5%)</b>	<b>A</b>
Environment Supports Variety	8.1/10	Gallons/SF	6.8
Visual Stimulation	7.1/10	<b>Energy Usage(10%)</b>	<b>B</b>
Future Readiness	6.9/10	<b>Total EUI</b>	<b>47.4kBTU/SF/yr</b>
<b>Building Allocation(25%)</b>	<b>F</b>	Electric	20.9kBTU/SF/yr
Gross SF/student	94	Gas	26.5kBTU/SF/yr
Site Acreage/Guideline	48%		
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

Observing representative classrooms within the school through a typical day allows the design team to quantify how learning spaces are used. Measurements are averaged from all classrooms visited.



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

What’s a Listening Tour?

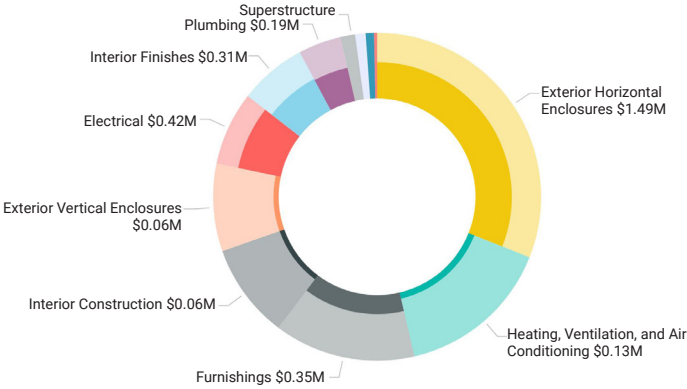
Staff surveys (Listening Tours) were sent to each school where faculty gave input about the strengths and weaknesses of the building. The following five comments highlight common themes and concerns.

Listening Tour Comments From Staff

- Consistency in classroom technology is desirable. Some have wall mounted projectors and others have carts, which cause tripping hazards.
- Parking is an issue for staff.
- Temperature is inconsistent, with some areas being too warm and others too cold.
- The new classrooms have nice boards, big windows and mounted projectors.
- Spatial allocation for SPED, SL and OT services needs to be considered.
- Teachers feel the main learning spaces and the library are some of the best in the building.

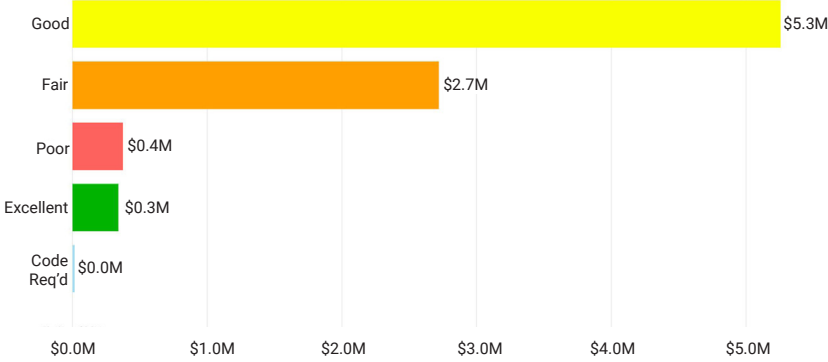
LISTENING TOUR

FACILITY BY BUILDING SYSTEM



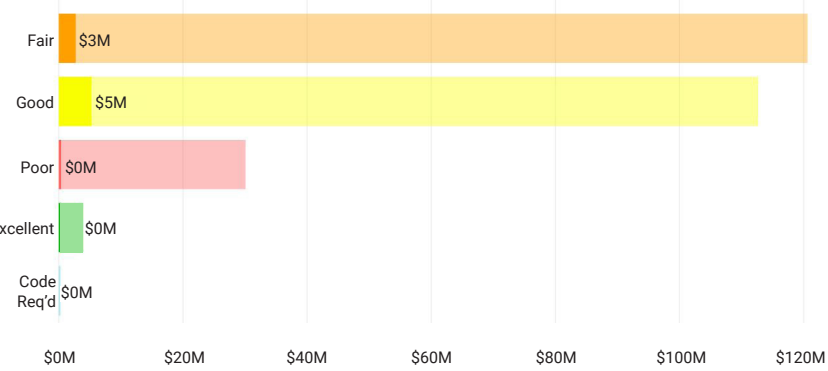
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.

FACILITY BY CONDITION



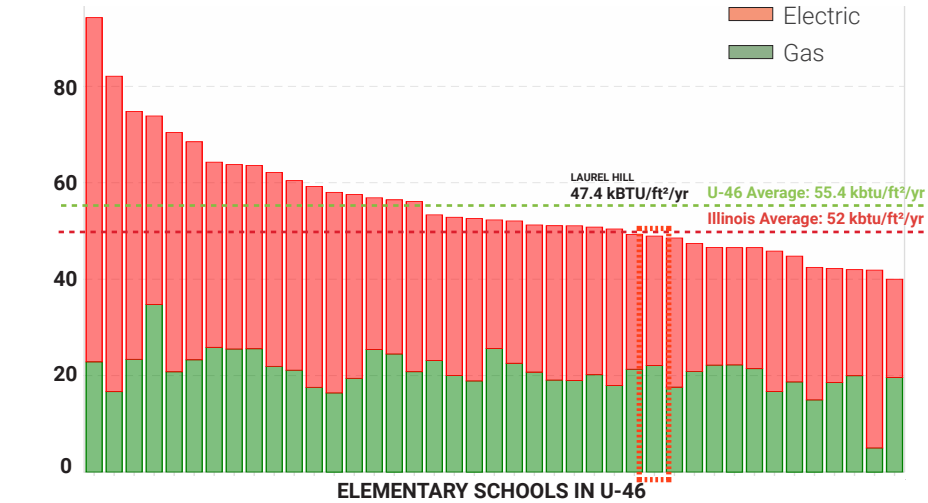
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.

FACILITY COMPARED TO COHORT



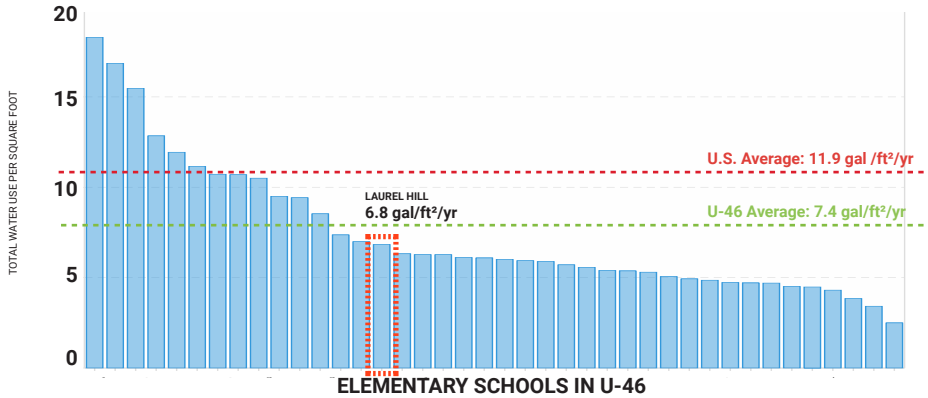
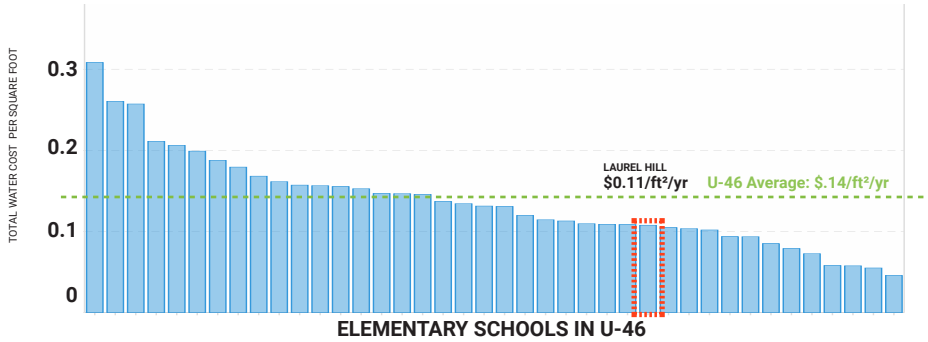
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items in relation to the entire cohort of buildings.

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 elementary 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, air quality, or learning behavior – **in order to form a holistic picture**. The team collects these data points through the use of sensors (in the space for 1-7 days), spot measurement equipment, 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.