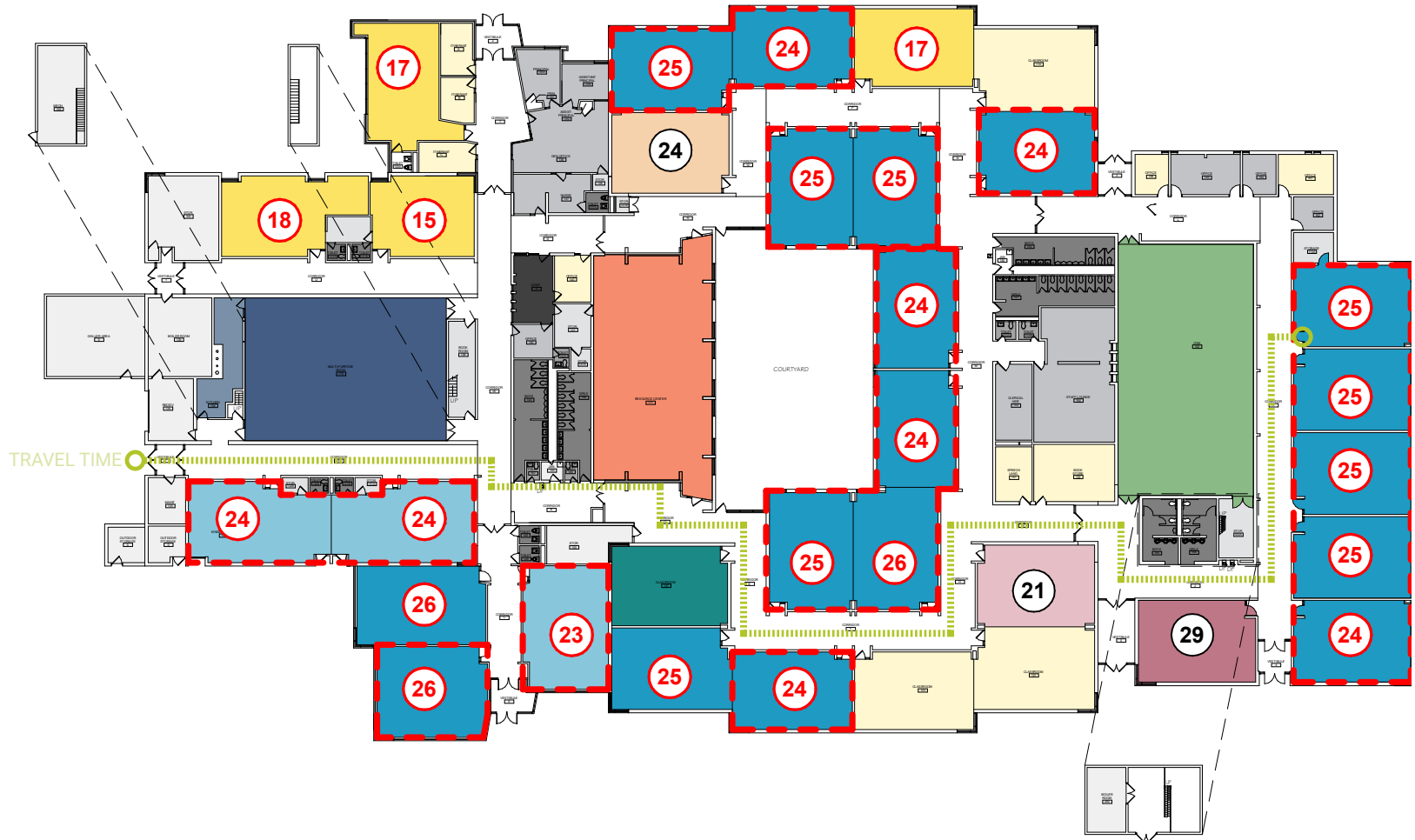


U46
ACADEMIC
SUCCESS
FOR ALL

Ridge Circle Elementary School

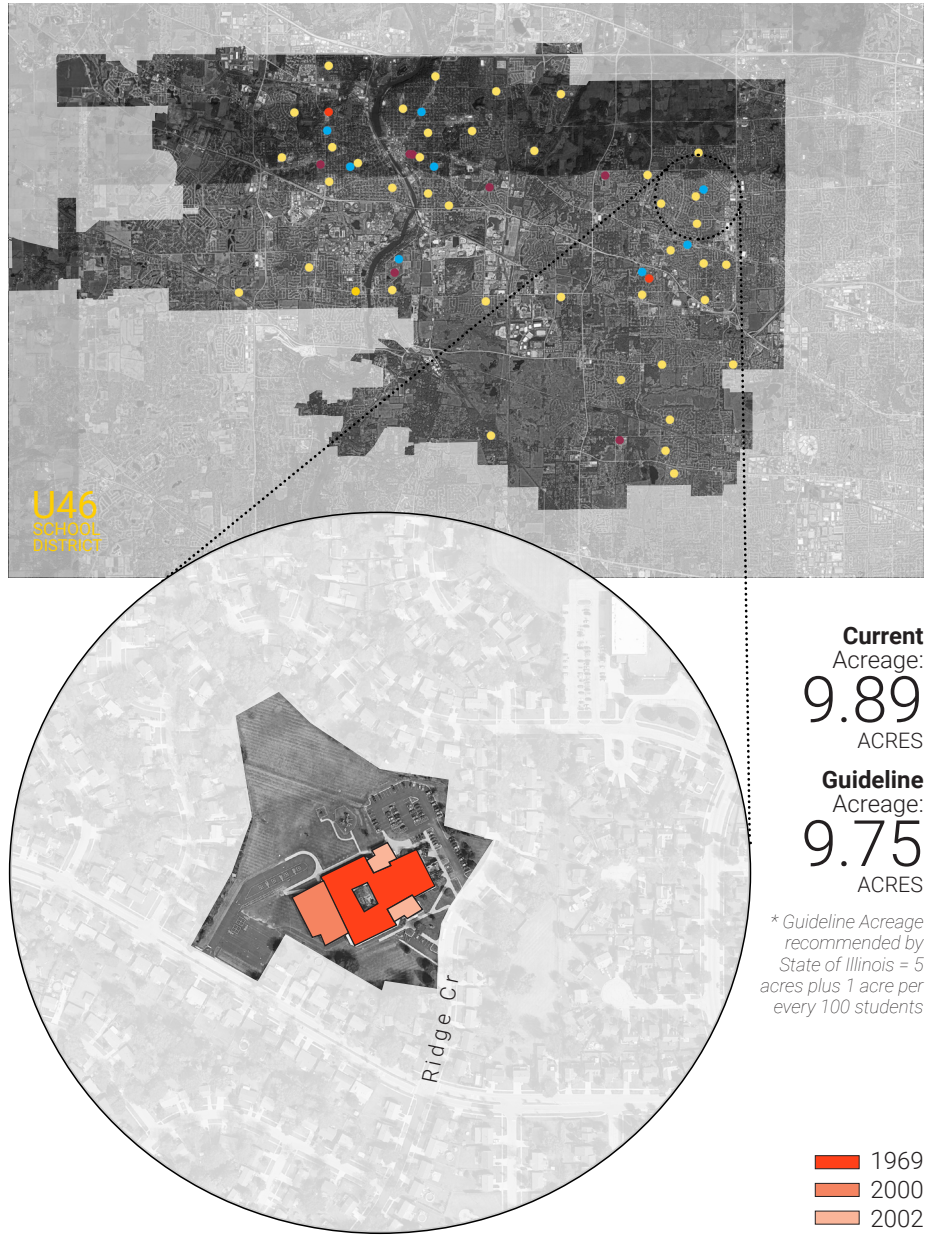
420 Ridge Circle, Streamwood, IL 60107

BUILDING SUMMARY			
Gross SF	69,801	Number of Levels	1
Year Built	1969	Number of Additions	2



LEVEL 1

FACILITY LOCATION



ENROLLMENT METRICS

Occupancy**	1075
Effective Capacity	585
Total Enrollment	475

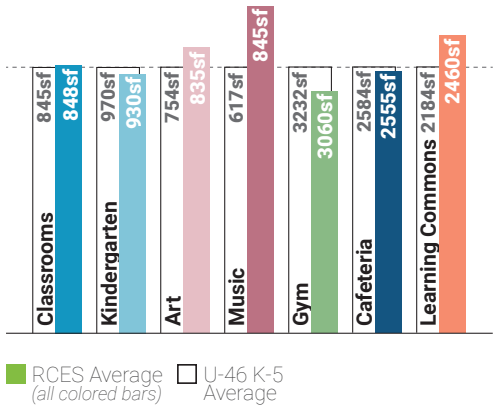
Occupancy: the maximum number of people that can be housed in a space in accordance with the building/fire code

****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.

Enrollment: current number of students attending the facility.

AREA COMPARISON



* This comparison notes the difference between Ridge Circle Elementary 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.

147 square feet per student : **150** square feet per student

Ridge Circle Elementary School 2015 National Low Quartile Number

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

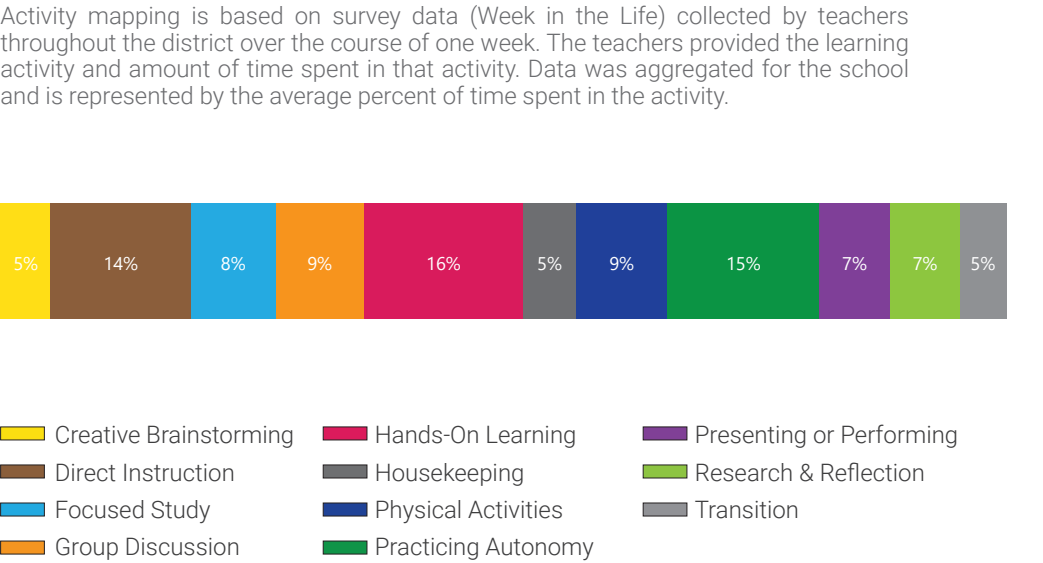
Room Capacity based on ISBE Guidelines (not included in Effective Capacity)

FACILITY GRADES

Spatial Educational Adequacy(25%)	C	Facility Condition(35%)	C
(Data collected through Staff Survey)	6.4/10	FCI	.18
Physical Features	7.1/10	Water Usage(5%)	C
Environment Supports Variety	5.3/10	Gallons/SF	10.7
Visual Stimulation	8.2/10	Energy Usage(10%)	D
Future Readiness	5.6/10	Total EUI	59.3kBTU/SF/yr
Building Allocation(25%)	A	Electric	17.6kBTU/SF/yr
Gross SF/student	147	Gas	41.7kBTU/SF/yr
Site Acreage/Guideline	101%		
Mobiles in Use/Basement Used	No/No		
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 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



LISTENING TOUR

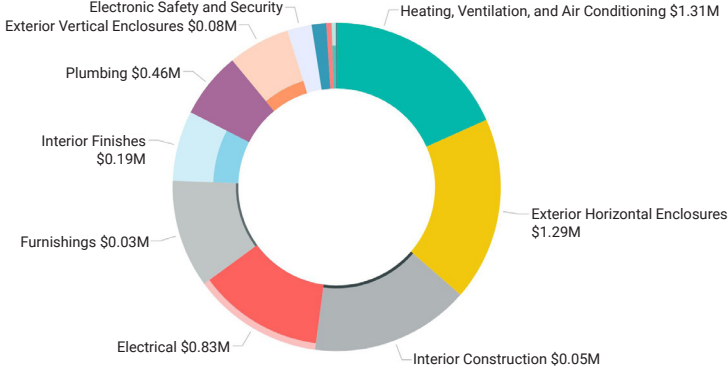
What's a Listening Tour?

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

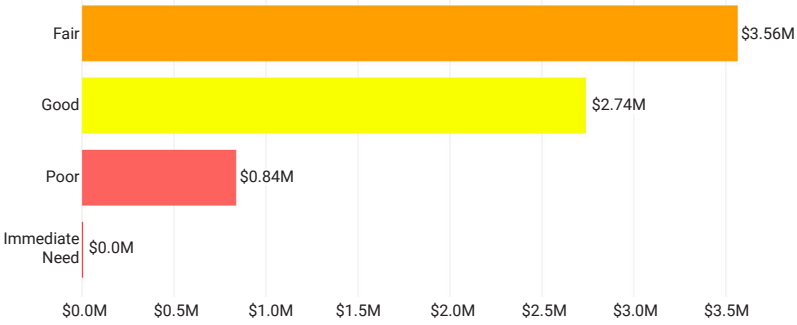
- Student collaboration and intervention is frequently conducted in the hallway.
- The curtains that substitute for walls do not block noise transfer and are stained. Classrooms should have walls between them.
- Technological issues, especially projectors in the middle of the room limit functionality and movement in classrooms.
- Temperature control is inconsistent. Rooms get very cold.
- Cabinet hardware and storage do not work properly. Finishes also look outdated.
- Faculty spaces could be better laid out to provide staff with more sensory spaces and options for a relaxed lunch break.

FACILITY BY BUILDING SYSTEM



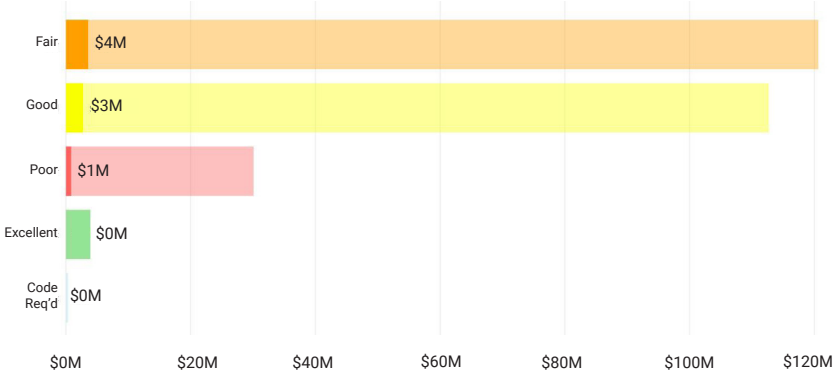
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.

FACILITY BY CONDITION



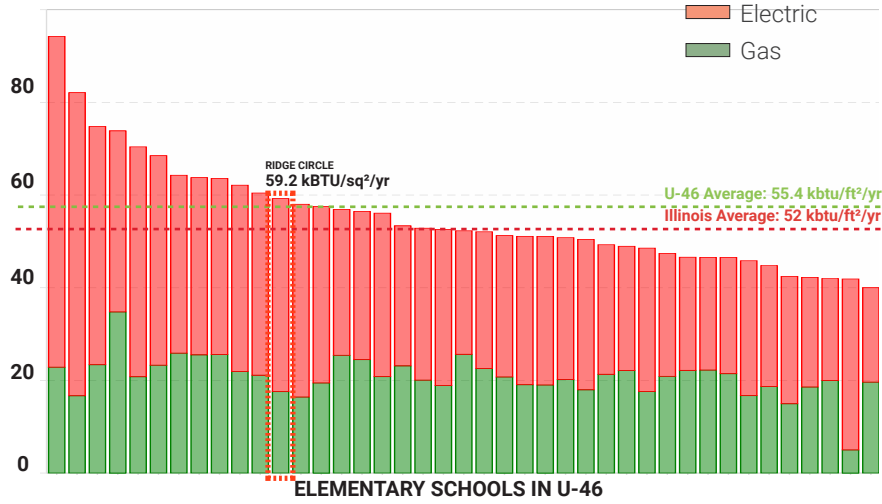
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.

FACILITY AS PART OF TOTAL COHORT



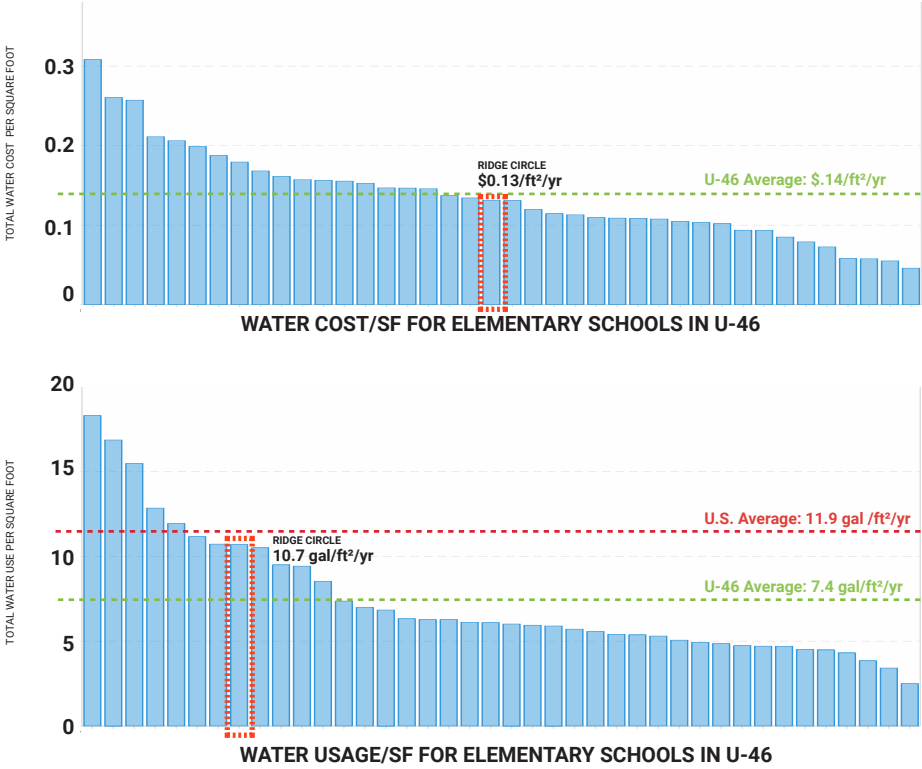
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items in relation to the entire cohort of buildings.

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 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, 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.