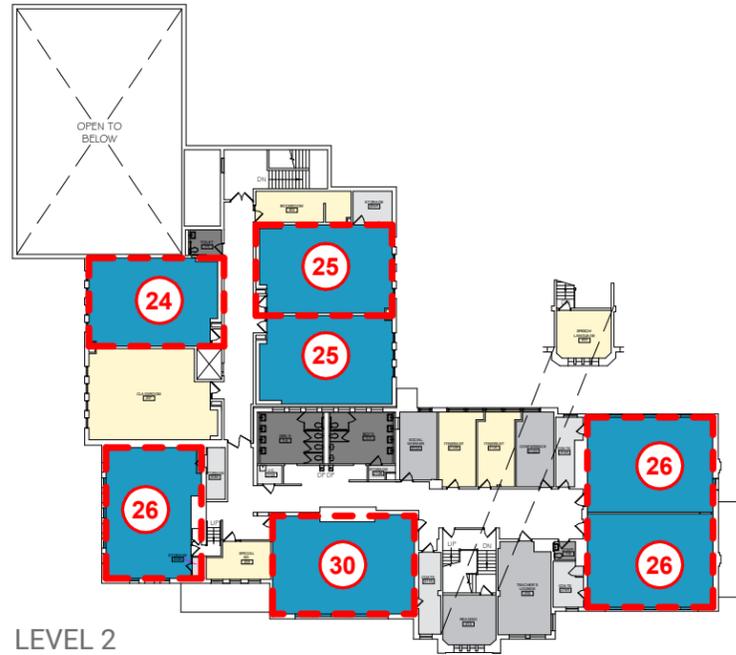
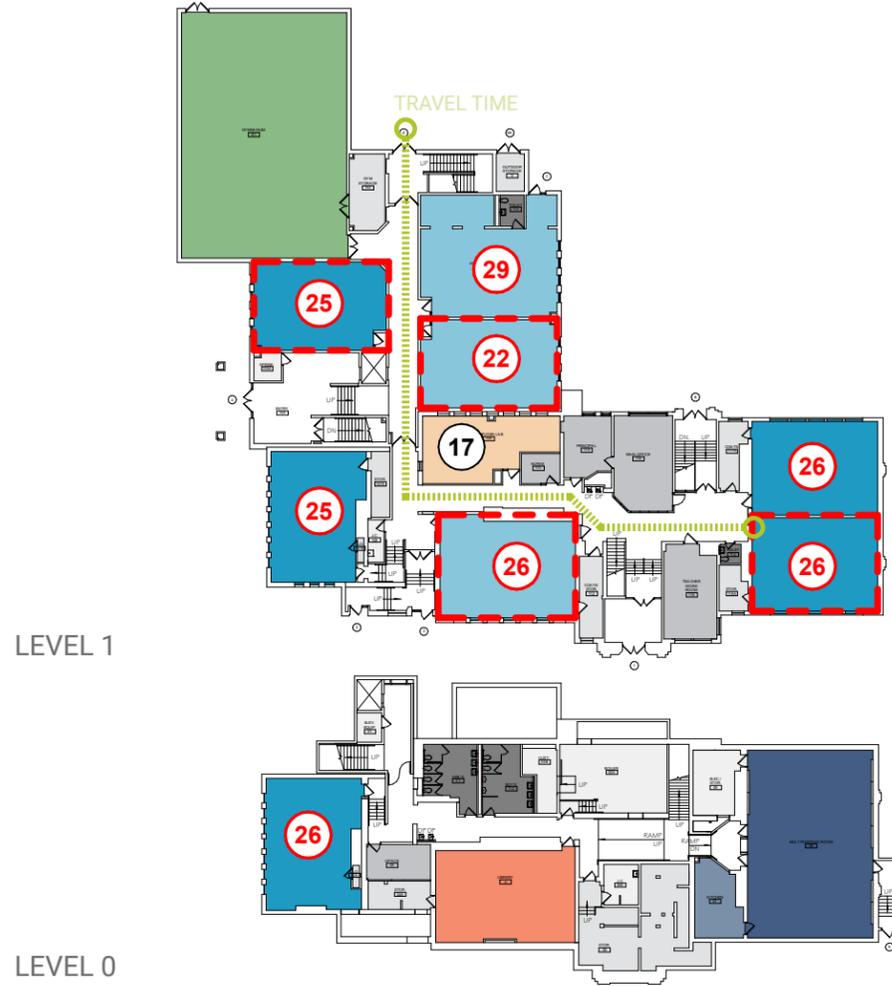


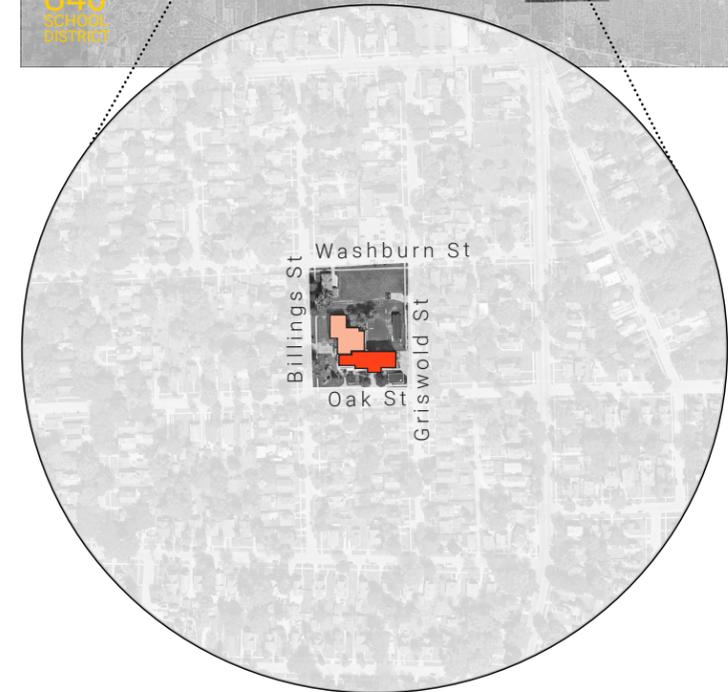
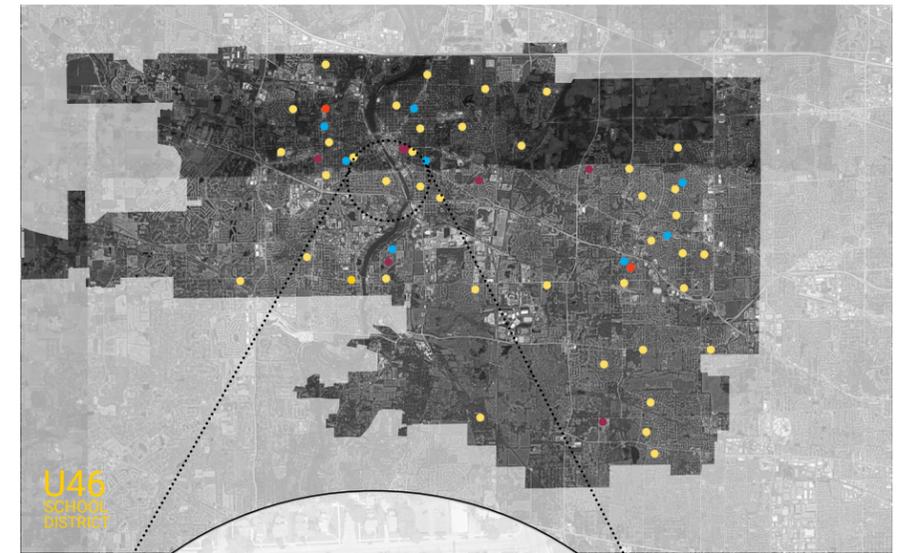
# Lowrie Elementary School

264 Oak St, Elgin, IL 60123

BUILDING SUMMARY			
Gross SF	42,332	Number of Levels	3
Year Built	1887	Number of Additions	3



FACILITY LOCATION



**Current**  
Acreage:  
**1.95**  
ACRES

**Guideline**  
Acreage:  
**8.85**  
ACRES

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

- 1887
- 1891
- 1921
- 2002

ENROLLMENT METRICS

<b>Occupancy**</b>	<b>689</b>
<b>Effective Capacity</b>	<b>387</b>
<b>Total Enrollment</b>	<b>385</b>

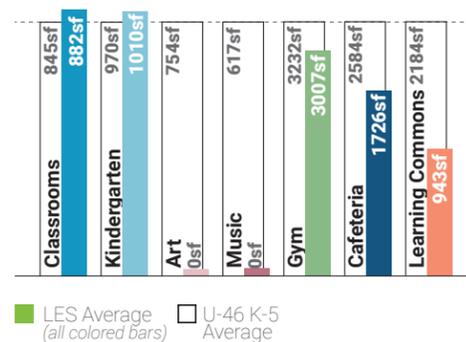
**Occupancy:** the maximum number of people that can be housed in a space in accordance with the building/fire code

**\*\*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 Lowrie 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.

**110** square feet per student • **150** square feet per student  
**Lowrie Elementary School** • **2015 National Low Quartile Number**

TRAVEL

**4-6 MIN** Furthest approximate travel time from one location to another for an average **Kindergarten Student.**

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

PLAN KEY

- Administration
- Performance Venue
- Travel Path
- Building Support
- Performing Arts Classroom
- Under-sized space
- Cafe Support
- Resources
- Science Lab
- Core Classroom
- Special Education
- Stem / Hands-On Learning
- Elective Classroom
- Restrooms
- Gym / Fitness
- Student Support
- Kindergarten /ECC
- Visual Arts
- Learning Center
- Media Lab

**10** Room Capacity based on ISBE Guidelines

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

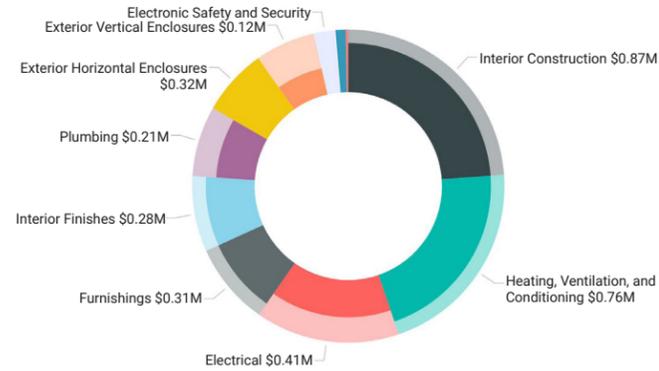
FACILITY GRADES

<b>Spatial Educational Adequacy(25%)</b>	<b>C</b>	<b>Facility Condition(35%)</b>	<b>C</b>
(Data collected through Staff Survey)	<b>6.9/10</b>	FCI	.25
Physical Features	7.4/10	<b>Water Usage(5%)</b>	<b>A</b>
Environment Supports Variety	7.5/10	Gallons/SF	4.9
Visual Stimulation	6.7/10	<b>Energy Usage(10%)</b>	<b>C</b>
Future Readiness	6.0/10	<b>Total EUI</b>	<b>49.3kBTU/SF/yr</b>
<b>Building Allocation(25%)</b>	<b>F</b>	Electric	21.3kBTU/SF/yr
Gross SF/student	110	Gas	28.0kBTU/SF/yr
Site Acreage/Guideline	22%		
Mobiles in Use/Basement Used	No/Yes		

**AGGREGATED FACILITY GRADE C**

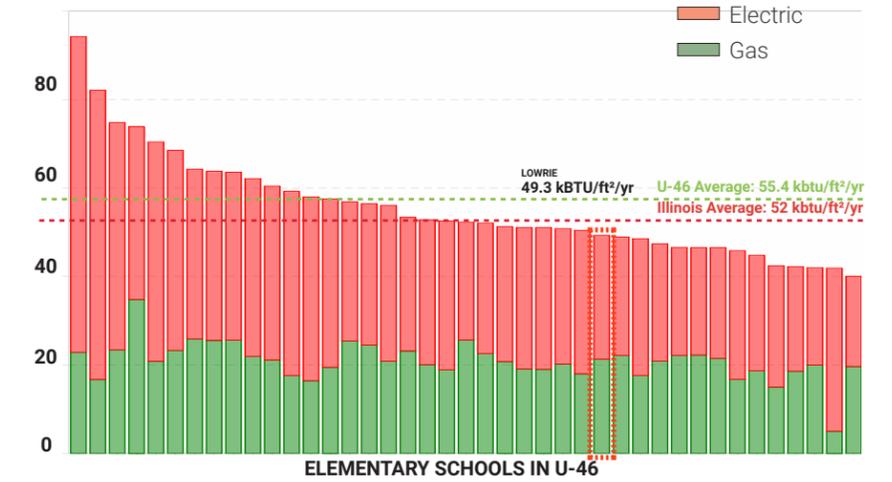
Educational Adequacy grades were determined by a survey issued to staff. Square Foot/Student grades were determined by building area and enrollment. Facility grades are determined building assessments. Water grades were determined by comparing utility data to the Commercial Buildings Energy Consumption 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.

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.

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

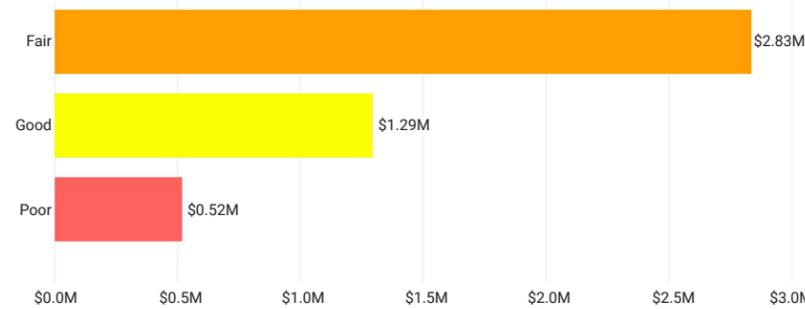
ACTIVITY MAPPING

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.



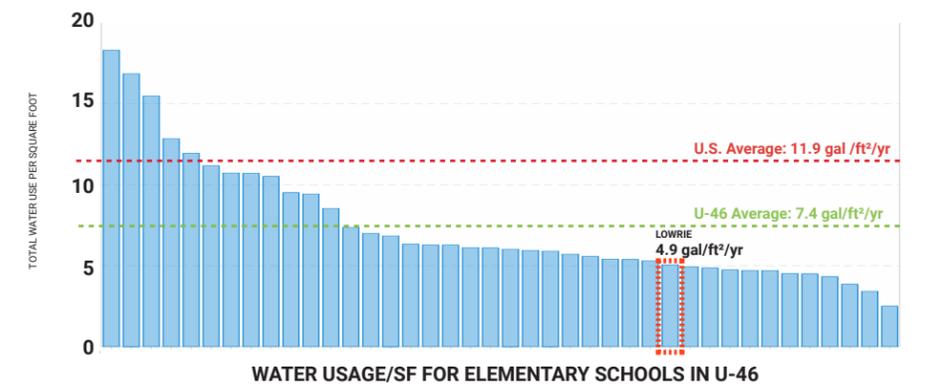
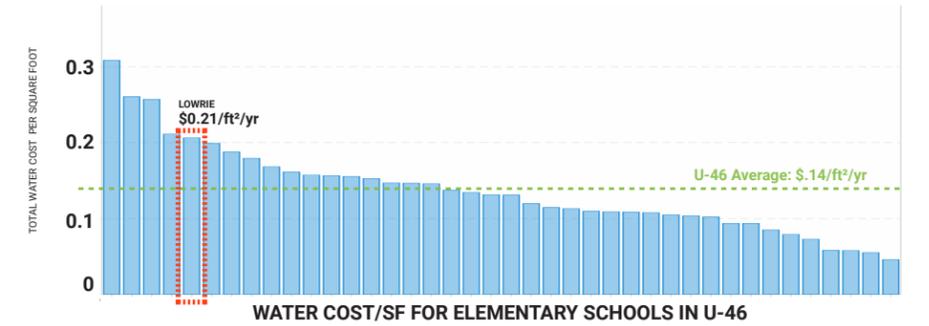
- Creative Brainstorming
- Direct Instruction
- Focused Study
- Group Discussion
- Hands-On Learning
- Housekeeping
- Physical Activities
- Practicing Autonomy
- Presenting or Performing
- Research & Reflection
- Transition

FACILITY BY CONDITION



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

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.

LISTENING TOUR

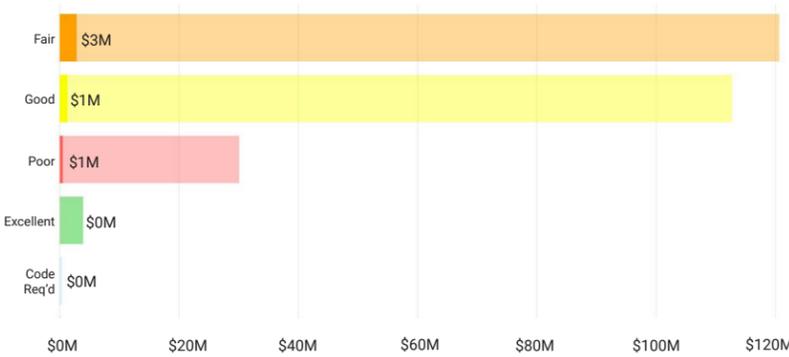
**What's a Listening Tour?**

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**

- The temperature tends to be cold in this school - students are cold and teachers are cold.
- The historic building is beautiful and teachers appreciate the real wood floors and think the remodels have been thoughtfully done.
- There are technological needs for the older part of the building.
- The music and art spaces need the most improvement in the building.

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.

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, 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.