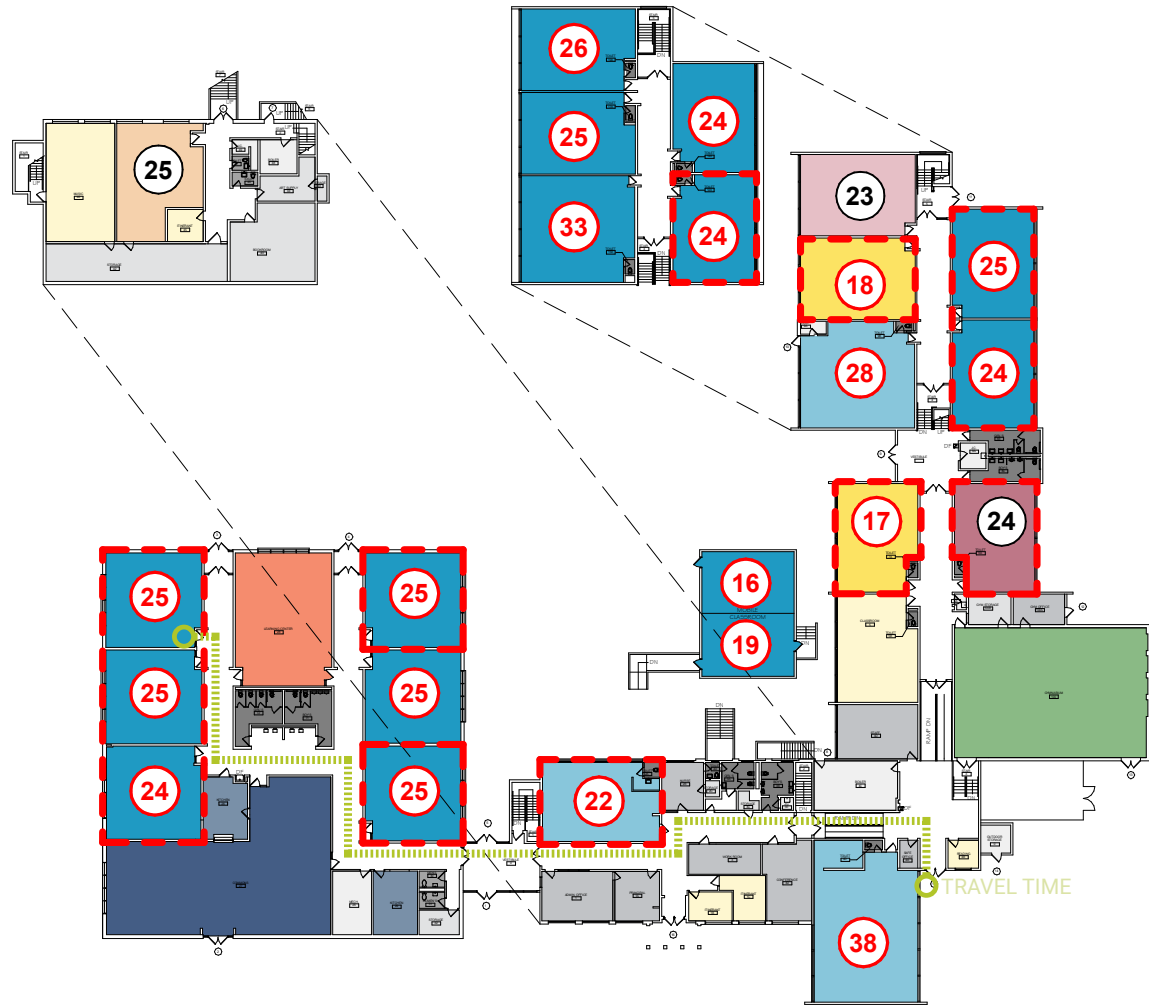




Hanover Countryside Elementary School

6 South Bartlett Rd, Streamwood, IL 60107

BUILDING SUMMARY			
Gross SF	46,386	Number of Levels	2
Year Built	1954	Number of Additions	3



LEVEL 1



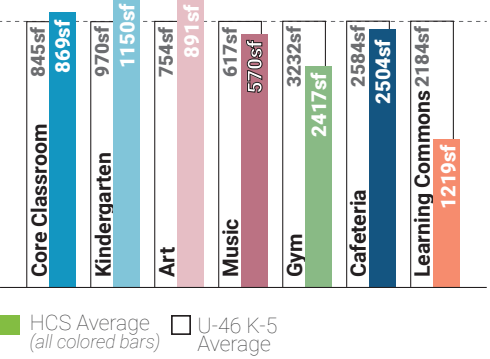
ENROLLMENT METRICS

Occupancy**	894
Effective Capacity	488
Total Enrollment	393

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 Hanover Countryside 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.

118 square feet per student : **150** square feet per student
Hanover Countryside School : 2015 National Low Quartile Number

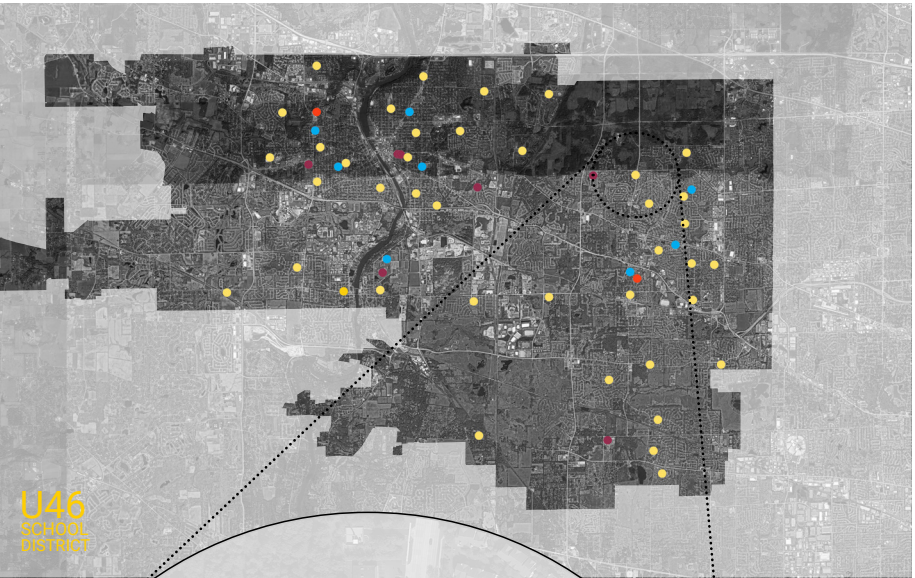
TRAVEL

6-8 MIN Furthest approximate travel time from one location to another for an average Kindergarten Student.

5-7 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)



Current
Acreage:
4.48
ACRES

Guideline
Acreage:
8.93
ACRES

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

** School has IGA with Park District

- 1954
- 1959
- 1960
- 1991

FACILITY GRADES

Spatial Educational Adequacy(25%) **C**

(Data collected through Staff Survey)

Physical Features	7.2/10
Environment Supports Variety	7.6/10
Visual Stimulation	5.8/10
Future Readiness	5.7/10

Building Allocation(25%)

Gross SF/student	118
Site Acreage/Guideline	50%
Mobiles in Use/Basement Used	Yes/No
*School has IGA with Park District	

*School has IGA with Park District

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 Condition(35%) **C**

FCI	.23
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Water Usage(5%)

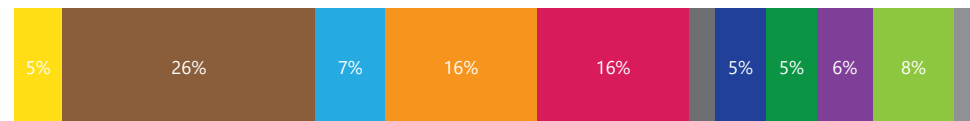
Gallons/SF	4.5
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Energy Usage(10%) **D**

Total EUI	70.4kBTU/SF/yr
Electric	20.8kBTU/SF/yr
Gas	49.6kBTU/SF/yr

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	

LISTENING TOUR

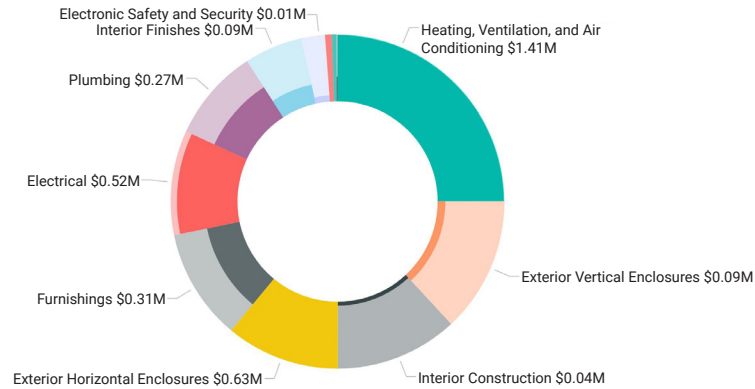
What's a Listening Tour?

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

Listening Tour Comments From Staff

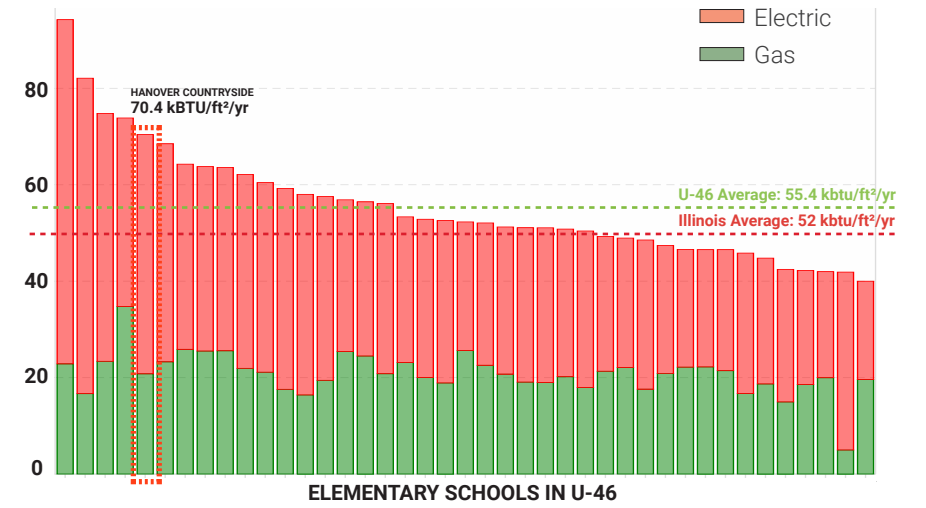
- Most of the classrooms are adequate in terms of space and condition. Teachers like that the classrooms have windows.
- There is a whole section of the building that doesn't have an adult bathroom. The only adult bathrooms are near the front door.
- The entire expanse of asphalt including driveways, playgrounds and walkways needs to be redone because they are cracked and dangerous. There are large chunks of asphalt that come up where students are supposed to play foursquare.
- Teachers who responded indicated that the library needs the most improvement.

FACILITY BY BUILDING SYSTEM



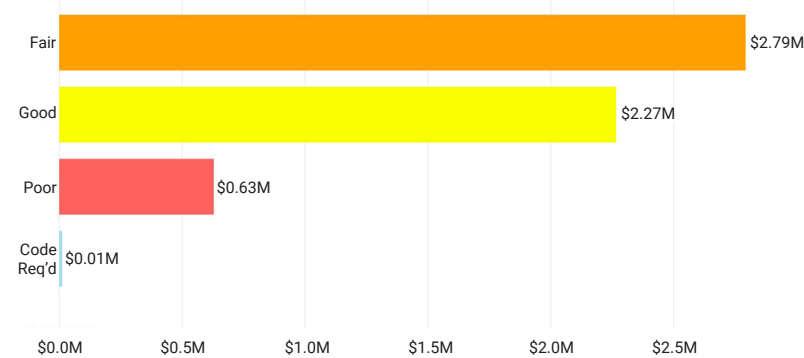
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.

ENERGY USAGE (EUI)



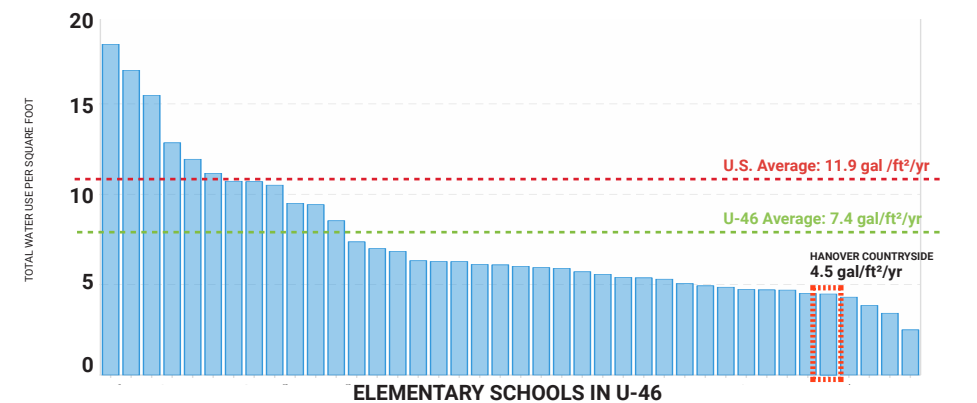
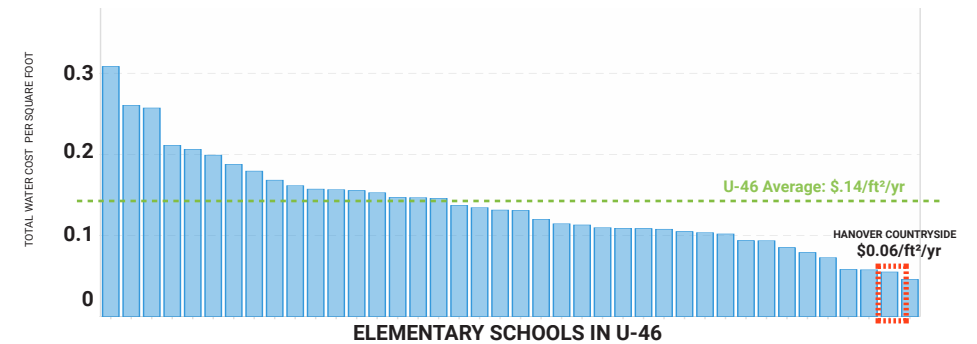
Energy Use Intensity (EUI) is a key metric that expresses a building's energy use as a function of its size. Generally, a low EUI signifies good energy performance

FACILITY BY CONDITION



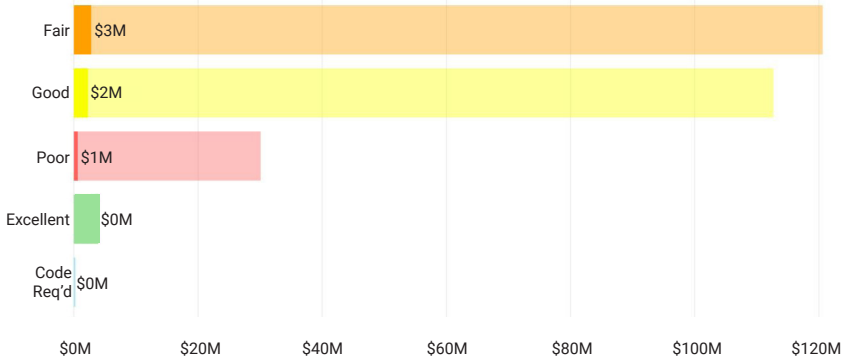
This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.

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 elementary schools in the district.

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.

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.