

# 2012 Exhibition of School Planning and Architecture

## Lincoln Elementary School

Cicero, Illinois  
Addition & Renovation  
Lee J. Brockway Award  
FGM Architects Inc.

# Lincoln Elementary School



# A Building for Learners & the Community

## Community Environment:

FGM has been the District's architect for more than 20 years but continues to grow and innovate with the owner the same way as its education programs. The benefit of the project to the community is immeasurable. The site is a full city block in the center of a densely populated residential area where most students walked to school. The project preserved the historic architecture from the original 1930's school building and a more contemporary addition that was completed in the 1950's, revitalizing the school and promoting stability for the neighborhood. No new land was developed as part of the project. The scale and massing of the addition relates to the traditional bungalow style housing of the surrounding neighborhood and creates an identity and sense of place.



# Creating a School that Responds to the Physical & Cultural Context

Community Environment: *Continued...*

The design team worked with the District and the community to create the ultimate “neighborhood school” that serves as a place for the students and the community. The facility has created new opportunities by opening its doors as a location for voting, hosting Veteran’s Day celebrations, Literacy Day and creating a community breakfast program for students to come together to enjoy breakfast during the summer. Local organizations also take advantage of the spaces, including the Girl Scouts and Parent Patrol.

The project included the addition of diagonal parking that is utilized by the school and the residents of the community. It also addressed storm water detention issues for local residents. The design team implemented a new storm water detention system to alleviate flooding for the school and the surrounding areas.



# Creating a School that Responds to the Physical & Cultural Context

## Community Environment: *Continued...*

Students no longer need to be bussed to other facilities as a result of overcrowding. The renovated school allows the District to maintain its neighborhood school configuration.

The District and the design team employed a local artist to create two murals unique to Lincoln that reflects the students and the local workforce. The murals, located in the training room and community room, involved student input and illustrate the mascots of the various schools and the goals and values of the District.

The training and community spaces provide the community the opportunity to convene for assemblies and celebrations. Before the addition and renovation, overcrowding kept parents from attending school functions. The updated facility can now house the different functions and parents are always in attendance.



# Imaginative Design Features

## Learning Environment:

The addition enclosed the open end of the existing U-shaped school and created two new courtyards. These newly created outdoor spaces have different themes for active and passive learning. The shared spaces, including gymnasium, learning resource center, and cafeteria, frame the courtyards and connect the newly formed east and west wings. These two-story high spaces have large expanses of glass to allow for an abundance of natural light. Sunshades are used on the south elevation to help control solar heat gain. The new layout allows for classrooms to be grouped by individual grade in their own wings of the building.



# Incorporating Technology

## Learning Environment: *Continued...*

The furniture style and classroom design contribute to collaborative learning. Desks are light and easy to maneuver to accommodate various delivery methods for each classroom. Tile patterns and geometric designs in the courtyard and in the interior spaces, as well as display cases in common areas consistently promote learning.

Additional office spaces were added to create gathering spaces for all staff members, including reading coaches and ESL teachers. These new spaces provide the tools to work effectively and to provide the students the best education possible.

In addition to the notable improvements, the renovation work included air conditioning to provide a more comfortable learning environment.



# Incorporating Technology

## Learning Environment: *Continued...*

Each portion of the addition and renovation has a flexible infrastructure for current and future technology. Interactive white boards with touch control of computer applications, SMART boards, were installed in each of the forty-one pre-kindergarten through sixth grade classrooms and all teaching spaces; creating an innovative teaching setting for engaging students. A new, dedicated computer classroom as well as computer stations in the classroom were key design elements. This is the first school in the district with this level of technology and has established a standard for future renovations and additions.



# Innovative Learning Spaces Create a Lifelong Love of Learning

## Physical Environment:

The mission of the Owner is to prepare students to become lifelong learners, socially responsible citizens, and meaningful participants in a culturally diverse world. Their vision is that schools provide an educational environment that promotes improved student achievement. The design team helped meet these goals by creating flexible and adaptable learning environments. The new layout allows for classrooms to be grouped by individual grades in their own wings of the building. This provides more control and less distraction for learning. The shared spaces are located between the east and west wings and include dedicated art, music and special education classrooms.



# Innovative Learning Spaces Create a Lifelong Love of Learning

## Physical Environment:

The gymnasium no longer needs to be used as both a gym and a cafeteria. There are now dedicated spaces for both, giving the District increased access to physical education. The music rooms are no longer old converted classrooms; rather, they are designated spaces designed for music with soundproofing.

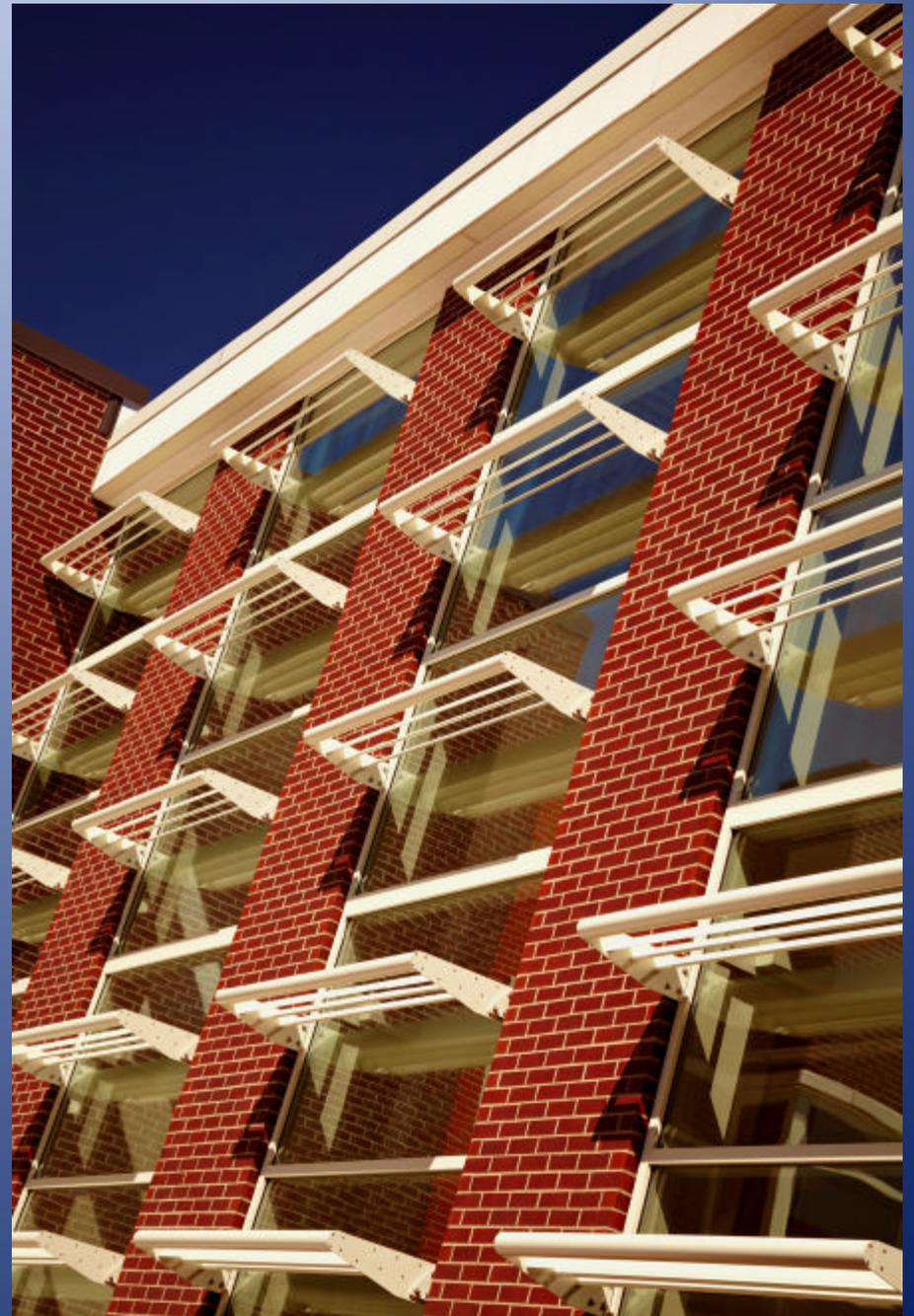
The classroom spaces allowed the District to relocate the lockers into the classrooms to increase visibility and security. The updated school provides a safe and healthy learning environment the kids and staff are excited to attend. The administration have found the enthusiasm has led to more engaged learning for both the staff and the students.



# Environmentally Responsible Design

## Physical Environment: *Continued...*

The project is inherently sustainable as the renovation of the existing building included reusing 95 percent of the existing walls, floors, and roof. The existing site in a densely populated area provides many forms of alternative transportation. A storm water collection system was provided to eliminate increases in storm water run-off. Each space in the building has natural daylight and exterior views. Sunshades are used on the south elevation to control solar heat gain. Energy efficient boilers and chillers provide the ability to heat and cool year round. Energy efficient light fixtures with occupancy sensors are used throughout the school.



# A Building for Learners & the Community

## Planning Process:

Due to tight timeframes, intense workshops were held with administrators, faculty, and staff to confirm programmatic goals and objectives. Informational meetings were held to solicit feedback from the community. Presentations during the year let the students know what to expect when they returned to the new school. In addition, the project inspired many teaching moments during the year and many teachers had class projects related to the planning and construction process.

Additionally, time and attention was spent looking at every detail of the spaces. The planning and design team understood the needs of the users and were present from the planning through to completion to ensure Lincoln Elementary School is the best it could be.



# Exhibition of School Planning and Architecture 2012 Project Data

Submitting Firm :	FGM Architects Inc.
Project Role	Architect
Project Contact	Jim Woods, AIA, LEED AP BD+C, REFP
Title	Principal in Charge, Executive Vice President
Address	1211 W. 22 <sup>nd</sup> Street
City, State or Province, Country	Oak Brook, Illinois, USA
Phone	630.574.8300

Joint Partner Firm:	N/A
Project Role	N/A
Project Contact	N/A
Title	N/A
Address	N/A
City, State or Province, Country	N/A
Phone	N/A

Other Firm:	N/A
Project Role	N/A
Project Contact	N/A
Title	N/A
Address	N/A
City, State or Province, Country	N/A
Phone	N/A

Construction Firm:	International Contractors, Inc.
Project Role	General Contractor
Project Contact	Randy Bronge
Title	Partner
Address	977 South Route 83
City, State or Province, Country	Elmhurst, Illinois 60126
Phone	630.834.8043

# Exhibition of School Planning and Architecture

## 2012 Project Details

<b>Project Name</b>	Lincoln Elementary School
<b>City</b>	Cicero
<b>State</b>	Illinois
<b>District Name</b>	Cicero Elementary School District 99
<b>Supt/President</b>	Ms. Donna Adamic, Superintendent
<b>Occupancy Date</b>	September 2009
<b>Grades Housed</b>	K-6
<b>Capacity (Students)</b>	691 Students
<b>Site Size (acres)</b>	4.38 Acres
<b>Gross Area (sq. ft.)</b>	126,950 SF
<b>Per Occupant (pupil)</b>	183.72 gsf/student
<b>gross/net please indicate</b>	
<b>Design and Build?</b>	No
<b>If yes, Total Cost:</b>	N/A
<b>Includes:</b>	N/A
<b>If no,</b>	
<b>Site Development:</b>	\$1,357,086
<b>Building Construction:</b>	\$19,256,214
<b>Fixed Equipment:</b>	\$571,117
<b>Other: (Technology)</b>	\$205,000
<b>Total:</b>	\$22,729,282

# Front Entrance in Detail

