

**LEWIS AND CLARK COMMUNITY COLLEGE – NURSES’ BUILDING
GODFREY, ILLINOIS**



CHALLENGE

The Lewis and Clark Community College was asked by a local Nursing Educator if LCCC would like to take over their program. The time line for the take-over required additional space on a fast-track schedule.

The LCCC’s architect asked HLR to provide structural engineering services to support the design of the facility.

“Design of the facility actually began one month prior to knowing whether the facility was going to be six or four stories tall.”

RESULTS

The project was started at HLR in August of 2004, the foundation construction began in October in 2004, the steel package bid in November of 2004 and the final package bid in January of 2005.

The project is on schedule to be completed and ready for occupancy in August of 2007.

CONSTRUCTION BUDGET

\$14.5 Million

SOLUTION

HLR served as the structural engineering firm designing the four story building facility and the structural site work amenities, working directly for the Architect.

Working closely with the architect, HLR provided the structural engineering design under three different bid packages, all while the project was being finalized. The foundation package, the steel fabrication package and the finish work along with the site structural package.

The project was intensified with the change of the lead design architect mid-design and the architect’s lead construction manager mid-construction. Throughout the project, HLR coordinated with many entities involved with the project including:

- The Owner
- The Architect
- Other discipline Consulting Engineers
- The Construction Manager, Contractors and Steel Fabricator

HLR also provided periodic site visits to consult with the Architect and Contractor on field related questions and construction issues.

Project highlights:

- Fast-track design and construction schedule sometimes requiring interface with the construction manager and the steel fabricator to facilitate rapid changes and timely approvals.
- A steel pile foundation system.
- Steel sheet pile retaining walls.
- A four story facility to accommodate a new program at the College.
- Stepped lecture halls requiring clear spans over portions of the building.
- A connecting link to the adjacent facility.

Seismic design considerations due to its proximity to the New Madrid fault.



LCCC – NURSES’ FACILITY