



LEISURE FACILITY | LARKIN AQUATICS | HIGGINSVILLE, MO.

Higginville Aquatic Center

NUTS & BOLTS

OPENED: 2009

TOTAL CONSTRUCTION COST:
\$1.8 million

AQUATIC SPACE: 15,187 square feet

DREAM AMENITIES: The leisure pool features zero-depth entry; an open flume water slide; a speed slide; a vortex pool; a themed, interactive water-play unit; themed floatables; sun shade structures; and deck sprays. It is capable of accommodating two 25-yard lap lanes.

PROJECT TEAM

DREAM DESIGNER: Larkin Aquatics

ARCHITECT: Larkin Aquatics

AQUATIC DESIGNER/SITE

DEVELOPMENT: Larkin Aquatics

STRUCTURAL ENGINEERING:

BSE Structural Engineers

BATHHOUSE PLUMBING AND ELECTRICAL

DESIGN: Custom Engineering

CONSTRUCTION: Vanum Construction

PROJECT SUPPLIERS

AURORA PUMPS: Pumps

BRADLEY CORP: Lockers

CHEMTROL: Chemical control systems

LAWSON AQUATICS:

Gutters

PARAGON AQUATICS: Dive

stands, ladders/grab bars

PPG: Sanitization

equipment

RUUD LIGHTING: Lighting

SPLASHTACULAR:

Water slides

SUPERIOR SHADE:

Sun shades

UNITED INDUSTRIES:

Filters, cleaners/vacuums
(SwimTime)

WATER ODYSSEY: Water-play equipment



Higginville Aquatic Center was designed with maximum community input and offers a variety of features for all ages. The littlest ones have deck sprays and a themed play structure; older children have floatables, slides and a diving board; and the adults have an easily accessible facility that offers a variety of opportunities for exercise and relaxation. The facility is laid out with space to accommodate various exercise programs. The pool is 25 yards wide to allow lap swimming, with a depth between 3 and 5 feet. This creates an ideal area for water aerobics and aqua therapy.

During all phases of the project, cost was a priority and concessions had to be made based on priority of importance, site limitations, constructability and budget.



Some in the community wanted a fully compatible competition area, but after analyzing the budget, operational impact and the cost of such an amenity, it was deemed unfeasible. Innovative efforts to remain on budget continued during construction of the project. The new facility, designed for maximum efficiency, is located in a park complex in the same spot where an older facility once stood. This minimized excavation, reduced the disturbed area of the construction site and did not restrict existing activities within the park.

Energy-efficient equipment, including VFDs, was selected to help reduce water usage and power consumption throughout the life of the facility. Other green techniques included using suppliers and manufacturers located nearby to reduce costs and disturbances from the freight-ing and transportation process. Additionally, the roof of the bathhouse and adjoining mechanical space was constructed of metal. The decision for this material was born from the notion that the system should reduce life-cycle maintenance and, it is hoped, have an increased longevity compared with an asphalt system.



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