

CASE STUDY



PROJECT DETAILS

Project Name: Wisconsin Rapids Aquatics Center

Location: Wisconsin Rapids, WI

Project Owner:
City of Wisconsin Rapids

Project Architect and Engineer:
MSA Professional Services

Project Contractors: Chippewa Concrete Services, COST of Wisconsin, Miron Construction, Pool Works Inc., Tri-City Contracting

Manufacturers: County Materials Corporation and County Ready Mix Corporation

Key Products: County Stone[®] Masonry Units, Heritage Collection[™] Designer Concrete Brick, and Ready-Mix Concrete

CMUs and Ready-Mix Bring Wisconsin Rapids Aquatics Center to Life

Solutions: Concrete masonry units and ready-mix demonstrate the capabilities of concrete; ready-mix concrete offers versatility in decorative applications

With limited water park access in Central Wisconsin, Wisconsin Rapids leaders set their sights on adding an aquatic attraction for area families to enjoy. The project quickly gained community members' support, who anxiously awaited the completion of the Wisconsin Rapids Aquatics Center.

Project plans outlined the construction of a shelter, a lazy river, three pool shells, and the mechanical rooms and water tanks necessary to operate the center. Concrete construction products were specified to maintain strength and durability in an outdoor water park setting exposed to high moisture and winter weather conditions. County Materials supplied 6,100 SF of County Stone Masonry Units and Heritage Collection Designer Concrete Brick to complete the shelter. County Ready Mix Corporation, part of the County Materials family of companies, delivered 1,550 CY of ready-mix concrete for the water features and the structural components of the pumphouse, mechanical room, and water storage tank.

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The combined use of County Stone Masonry Units and Heritage Collection Designer Concrete Brick, manufactured by County Materials, creates a dimensional appearance that stands the test of time. The hand-hewn inspired County Stone units capture light and mimic rocks beneath shallow water, pulling the nature theme together. Throughout the building's façade, Heritage Collection Designer Concrete Brick was strategically placed to balance the distinguished County Stone units. In total, 6,100 SF of decorative concrete masonry was used to complete the shelter. Project leaders used concrete masonry to emulate the appearance of natural stone and clay brick in a more cost-effective, long-term solution.

The pools and lazy river were formed using a 5000-psi mix integrated with Xypex to waterproof and protect the concrete. Ready-mix was additionally used for the project's decorative features. Integral colored concrete in shades of cool blues and subtle greys brought the center's nature theme to life, as seen on the shelter's floor and the decorative river rocks stamped to emulate natural stone.



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The County family of companies provided several concrete solutions to bring this water park to life. Project crews worked with a tight one-year timeline and relied on readily available products and optimized delivery to get the job done.

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