



Notable CONCRETE in New Orleans and Vicinity

ACI Committee 124, Concrete Aesthetics,
& ACI Louisiana Chapter



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1) Name/Location:

930 Poydras, 930 Poydras Street, New Orleans, LA

Description:

This 22-story, combination residential, retail, and parking structure is the first high-rise to be constructed in post-Katrina New Orleans. The high-profile, mixed-use project is located in the heart of the Central Business District, near the Louisiana Superdome. Gibbs Construction is the general contractor on this leading-edge effort in the city's commercial recovery. Harcon, Inc. is the formwork subcontractor.

Submitted by:

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2) Name/Location:

Our Lady of Lourdes Catholic Church, 325 Westchester Place, Slidell, LA

Description:

The prominent cast-in-place belfry tower will be the centerpiece of the entry to the new sanctuary for Our Lady of Lourdes Catholic Church, near New Orleans in Slidell, LA. The "crown molding" facing on the beams and arched opening edges will be exposed and used to accent the brick infill for this impressive structure, constructed by general contractor, Citadel Builders LLC, and concrete formwork subcontractor Harcon, Inc.

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3) Name/Location:

Southern Yacht Club, 105 N. Roadway Drive, New Orleans, LA

Description:

A cast-in-place concrete structure fortifies the new home of the Southern Yacht Club.

The club and the marina, located on scenic Lake Pontchartrain in New Orleans, sustained tremendous damage during Hurricane Katrina. This new facility, constructed by general contractor Landis Construction, Inc., and concrete formwork subcontractor Harcon, Inc., is another example of the New Orleans recovery effort that is designed to stand the test of time.

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4) Name/Location:

St. Anselm Catholic Church 306 St. Mary Street, Madisonville, LA

Description:

A slender cast-in-place concrete skeleton, and supporting and reinforcing masonry infill, will together resist wind loads on the new sanctuary for St. Anselm Catholic Church, sited along the Tchefuncte River in Madisonville, LA, near New Orleans. Only the round columns will be exposed in this unusual and impressive structure, constructed by general contractor Landis Construction, Inc., and concrete formwork subcontractor Harcon, Inc.

Submitted by:

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5) Name/Location:

St. Bernard Parish Cultural Arts & Community Center, 2600 Palmisano Boulevard, Chalmette, LA

Description:

The cast-in-place structure is being founded on a raised pad of 230,000 ft³ of Geofoam covered with more than 7,000 yd³ of fill material. Once completed, the project will use over 7,000 yd³ of concrete to create a two-story, 88,390 ft² facility that will be the focal point for St. Bernard Parish. This \$27 million building was designed by Waggoner and Ball Architects and is being constructed by MAPP Construction, LLC, and concrete formwork subcontractor Harcon, Inc.

Submitted by:

Andy Boniol, Preconstruction Manager, MAPP Construction, LLC, Baton Rouge, LA, 225-757-0111, aboniol@mappconstruction.com





6) Name/Location:

Inner Harbor Navigation Canal (IHNC) Hurricane and Storm Damage Risk Reduction System, 14950 Intracoastal Drive, New Orleans, LA

Description:

On the largest design-build civil works project in the history of the U.S. Army Corps of Engineers, Shaw used a unique design for flood control that significantly reduced the timeline for constructing this protective structure. Much of the destruction caused by Hurricane Katrina resulted from four levee/floodwall breaches along the IHNC that devastated the Lower 9th Ward and portions of St. Bernard and Orleans parishes, caused by storm-surge overtopping and soil erosion. Designed to provide 100-year hurricane protection, the project covers areas along the IHNC in Orleans and St. Bernard parishes and is part of an overall hurricane protection system that consists of a multi-gate structure along the Gulf Intracoastal Waterway, a gate at Bayou Bienvenue, and a connecting floodwall that ties into the levee system on the south side of the Mississippi River-Gulf Outlet.

The structure will use enough concrete to fill a football field 94 ft deep (more than 201,630 yd³). Key concrete structures include: 183,818 ft of 66-in. piles (shown), 91,627 ft of 36-in. piles, 122,983 ft of 24-in. piles, 150,093 ft of 18-in. piles, and 297,147 ft of 36-in. concrete-filled steel piles. The floodwall is 7491 ft long, whereas the north and south shore T-walls are 1462 ft long.

Submitted by:

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7) Name/Location:

Harrah's Hotel, 228 Poydras Street, New Orleans, LA

Description:

In a contract for the concrete structure and skin, Broadmoor placed 3000 yd³ of concrete for the main foundation in a series of night pours over approximately 8 months. The night pours required the coordination of some 100 concrete trucks queued at the project site to avoid major disruption of the city traffic during the day.

Submitted by:

John Stewart, President, Broadmoor, LLC, Metairie, LA, 504-885-5400, jstewart@broadmoorllc.com



Finished hotel



8) Name/Location:

Lakeside Shopping Center Parking Garage No. 2, Causeway and Veterans Memorial Boulevards, Metairie, LA

Description:

Precast concrete makes up the structure and architecture of this four-level, 449,980 ft², 1272-car garage, which was designed and built by Broadmoor, LLC. More than 7330 yd³ of concrete were used in the building, including 1023 precast pieces, with the heaviest weighing 53,750 lb. Spandrel beams, shear walls, and wall panels were scored in a vertical pattern to offset the building's strong horizontal profile. Precast double tees created a "coffered" look for the ceiling and light fixtures.

Submitted by:

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9) Name/Location:

Lakeside Shopping Center Parking Garage No. 3, Severn Avenue and Veterans Memorial Boulevard, Metairie, LA

Description:

Six hundred fifteen auger-cast concrete piles (85 ft deep, 16 in. diameter) make the foundation for this 314,000 ft², 974-car garage. The building used over 3820 yd³ of concrete, including 543 precast pieces, with the heaviest weighing 50,800 lb. Designed and constructed by Broadmoor, LLC, the precast system used double tees with a 3 in. concrete topping to span as much as 60 ft from interior beams and columns to exterior walls of scored spandrel beams and wall panels. Precast shear walls resist wind and seismic loads.

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Compiled by ACI Committee 124 &
ACI Louisiana Chapter

Designed and Produced by ACI

Comments, suggestions, or additional
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