

LOUISIANA'S BEST OF

2006

Hurricane Katrina Repairs & Modifications, IHNC East Side, New Orleans

BEST Hurricane Reconstruction Project – Infrastructure



The Inner Harbor Navigation Canal East Side (IHNC East Side) Floodwall Repair Project was an emergency project to repair approximately 4,000 ft. of concrete I-wall that had been damaged or destabilized by hurricanes Katrina and Rita in 2005.

The project was performed for the New Orleans District of the U.S. Army Corps of Engineers (USACE).

The floodwall in question had been breached in two areas and experienced significant degradation in the remaining areas. The southernmost breach resulted in the complete collapse of approximately 1,200 ft. of existing I-wall. The northern breach resulted in the collapse of approximately 250 linear ft. of floodwall.

The task of Cajun Constructors was to construct a system of temporary flood control, demolish the entire section of existing I-wall and replace with a new inverted T-wall system. Scope of work included the following:

Key Players

Owner: U. S. Army Corps of Engineers, New Orleans

Contractor: Cajun Constructors Inc., Baton Rouge, La.

Cost: \$34 million

Engineer: U. S. Army Corps of Engineers, New Orleans

- Installation of an earthen levee temporary flood control system
- Demolition and removal of 4,000 ft. of concrete floodwall.
- Installation of 4,000 linear ft. of sheet pile scour curtain.
- Installation of approximately 2,200 battered steel H-piles.
- Placement of over 12,000 cubic yards of structural concrete.
- Excavation of about 32,000 cu. yds. of soil material on the flood side that was transported to the protected side.

LOUISIANA'S BEST OF

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Cameron LNG Terminal Site Development, Hackberry, La.

BEST Infrastructure Project



Authorized by the Federal Energy Regulatory Commission in September 2003, the Cameron Liquefied Natural Gas (LNG) Terminal owned by Sempra Energy LNG Corp. is the first new terminal for liquefied natural gas to be built in the United States in more than 20 years.

Phase I of the Cameron LNG Terminal is expected to be operational by 2008, with

a delivery capacity of 1.5 billion cu. ft. per day of natural gas. By 2010, a planned expansion will add 1.15 bcf per day.

The project is located on a 275-acre industrial-zoned site along the Calcasieu River in Hackberry, La. When completed, the terminal will include two unloading docks, four storage tanks and the necessary equipment to transform the LNG back to natural gas.

On Aug. 15, 2005, the project's prime contractor, Aker Kvaerner, awarded James Construction Group an \$18.9 contract to perform all site development for this new LNG terminal.

Preparing the site for construction of the 60-acre terminal involved the following activities:

Key Players

Owner: Sempra Energy, San Diego, Calif.

Site Development Subcontractor: James Construction Group LLC, Baton Rouge, La.

Contractor: Aker Kvaerner Industrial Constructors Inc., Houston

Cost: \$21 million

Engineer: Aker Kvaerner, Houston

- Excavation of approximately 600,000 cu. yds. of soil
- Laying 265,000 sq. yds. of geogrid
- Placing 350,000 tons of crushed stone
- Placing 350,000 cu. yds. of clay fill
- Installing 1,000 linear ft. of RCP storm drainage pipe
- Constructing a 25,000 linear ft. of silt fence for erosion control

The site development project was completed on June 30, 2006 – two months ahead of schedule – with a final contract value of \$21 million.

LOUISIANA'S BEST OF

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Ochsner Clinic Foundation Pediatric Intensive Care Unit, Jefferson, La.

BEST Medical Project



The original contract scope of the Pediatric Intensive Care Unit (PICU) included a base bid and five alternate bids. The base bid called for the renovation of the existing 11,000-sq.-ft. space that housed the respiratory therapy department at Ochsner Clinic Foundation.

The interior of the space had to be completely demolished and replaced by new PICU units.

The units had a nautical theme, which spilled out to the three new nurses stations, which were shaped like boats accented by porthole shaped mirrors. Sheet vinyl flooring simulated a ship deck and water.

A Tivoli lighting package illuminates the ceiling, providing the effect of a twinkling night sky.

Two X-ray viewing centers as well as numerous offices and counseling rooms were added. Fourteen state of the art, child centered suites were created.

One of the suites included a medical

Key Players

Owner: Ochsner Clinic Foundation, Jefferson, La.

Contractor: Landis Construction Co. New Orleans

Cost: \$3.85 million

Architect: The Ritchie Organization, Memphis, Tenn.

gas column system, allowing for surgical procedures to be accomplished in the room. Four of the 14 patient suites provide either positive or negative pressure.

New mechanical, electrical and plumbing systems as well as fire protection and security were installed. Home-like amenities and modern medical technology surround each patient and their family.

LOUISIANA'S BEST OF

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Handleman/Millennium Restoration, New Orleans, La.

BEST Renovation/Restoration Project



This project on Oretha Castle Haley Boulevard in New Orleans is part of a broader effort to revitalize the historic thoroughfare and the economically depressed Central City area of New Orleans. The overall goal is to redevelop this once-thriving corridor.

The project actually consisted of the

restoration of two historically important buildings; the Handelman Building and the Millennium Building and converting them into 42 moderate-income apartments along with about 9,000 sq. ft. of commercial space that will house Non-Profit Central.

The 49,000-sq.-ft. Handelman Building is four stories high, including a massive two story sales area with a surrounding mezzanine balcony. The mezzanine is reached by a monumental staircase. The third and fourth floors consisted of open storage areas. The adjacent two-story Millennium Building provided additional sales space.

The building has heavy wooden post and beam construction with steel tie

Key Players

Owner: Capstone Development Inc., Birmingham, Ala.

Contractor: Citadel Builders LLC, Metairie, La.

Cost: \$4.8 million

Architect: Webster Design Louisiana LLC, New Orleans

bars, bolts and joints. The exterior walls are of heavy masonry.

As described in the National Register of Historic Places, the Dryades Street facade is articulated in the manner resembling a Renaissance palazzo but with large areas of warehouse style steel windows.

The first and second stories form the base and the third and fourth stories form the piano nobile with engaged colossal composite order columns. There is also a pressed metal paneled frieze and modillion cornice.

LOUISIANA'S BEST OF

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Scotlandville Magnet High School, Scotlandville, La.

BEST Public Architecture Project (TIE)

PHOTO BY HATTEK PHOTOGRAPHICS



The goal of this major high school renovation was to make the buildings function and look like a new school. This renovation transformed an assembly of non-descript 1950s school buildings into a true campus with the addition of several carefully-placed features.

Although its campus had a rich histo-

ry in the community it was desperately in need of renovation. The most obvious problems were the absence of a defined entrance and a lack of identity. The renovation redefined the entry and provided a dignified presence for the school.

The original campus lacked covered gathering spaces for students which made informal assembly and student supervision difficult. The design placed two covered student gathering areas, one near the administrative area and one near the cafeteria, thereby completing the enclosure of the new student commons.

The addition of the entry feature allowed the community much freer access to use the gymnasium and auditorium

Key Players

Owner: East Baton Rouge Parish School Board, Baton Rouge, La.

Architect: Remson-Haley-Herpin Architects, Baton Rouge, La.

Cost: \$10.7 million

Contractor: Woodrow Wilson Construction Co. Inc., Baton Rouge, La.

while maintaining security of the campus.

The project included the renovation of all classrooms, addition of a gymnasium, renovation of an existing gymnasium, renovation of locker rooms, resurfacing of running track.

The 1950s-era modern architecture of the existing campus was enhanced through careful and respectful detailing of added elements.

LOUISIANA'S BEST OF

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Jefferson Parish General Government Building, Gretna, La.

BEST Public Architecture Project (TIE)

PHOTO BY HATTEK PHOTOGRAPHICS



Sizeler Thompson Brown Architects of New Orleans was faced with the challenge of replacing the existing outdated courthouse building slated for demolition with a new parish government headquarters on a tight downtown site in Gretna, La.

The solution was the design and con-

struction of a new six-story, 120,000-sq-ft. government office building housing parish departments, parish president and council offices, council chambers and Credit Union. The project's site design, with terraced landscaped areas and flowering planters, opens the new building to the street creating a new public plaza and interesting pedestrian approach.

The architect had to find a way to connect four separate parish buildings – the new General Government Building, existing Judicial Courthouse Annex Building, existing District Attorney's Building and existing Parish Central Plant Building.

A circular two-story rotunda with clerestory windows serves as a circulation hub, connecting paths to all build-

Key Players

Owner: Jefferson Parish, Gretna, La.

Architect: Sizeler Thompson Brown Architects, New Orleans

Cost: \$16.3 million

Contractor: Brice Building Co. Inc., Metairie, La.

ings. This distinctive design element, clad in silver aluminum panels, provides a focal point of entry for the entire Government Center. Inside, the light-filled lobby space provides seating and food areas on the first level with monumental stair up to the second level Council Chamber and pre-function meeting area.

The architect also had to design a central security checkpoint location where everyone could be screened for access into the complex.

LOUISIANA'S BEST OF

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Knight Oil Tools Corporate Headquarters, Lafayette, La.

BEST Private Architecture Project

Key Players

Owner: Knight Oil Tools, Lafayette, La.

Architect: Donald J. Breaux Architect, Lafayette, La.

Cost: \$18 million

Contractor: Rudick Construction Inc., Lafayette, La.



PHOTO BY JEFF GONSOLIN

Knight Oil Tools' Corporate Headquarters is a state-of-the-art facility. Many industrial aspects were instrumental in the

design of this 3-story steel panel and blue tint glass structure.

This contemporary structure represents the company's position in the oil and gas industry, which is to convey a high tech image. Because the building faces west, sunscreens were used to limit the amount of heat coming into the offices. The sculptural form to the far right of the building, a cylinder that encloses the stairwell, relates to the semi-circular glass recessed entrance feature to the immediate right of the front doors.

This long stretch of glass is one of the building's strongest exterior attributes, and it's also one of the best interior elements, as it creates the space for tables

and chairs in employee lounges on each level of the building. Also, this entrance creates a space for a fountain with a kinetic metal sculpture. The lobby spaces engage contemporary lines with African mahogany wall panels and stainless steel reveals to create a minimal, yet warm space.

African mahogany wall panels were also incorporated in the building's acoustically perfect, circular board room.