



Superstructure

Unique Public-Private Partnership Paves Way for New Long Beach Court Building in California

LONG BEACH, Calif. – **Clark Design/Build of California** and **Edgemoor Real Estate Services** are part of the Long Beach Judicial Partners LLC, (LBJP) team that has been awarded a contract to design, construct, finance, operate, and maintain a new 545,000 square-foot courthouse in Long Beach. The project is being delivered under a unique public/private partnership agreement, which has a total development cost of approximately \$490 million and a design-build cost of \$343 million.

Clark will lead the design and construction of the new Governor George Deukmejian Courthouse in Long Beach. When complete, the five-story building will house 31 courtrooms, as well as court administration offices, Los Angeles County lease space, and commercial and retail leasable space. The building will include below-grade secure inmate transfer facilities, detention facilities, and separate secure parking areas for judges. A five-level great room atrium enclosed on two ends by a cable-supported glass wall system will serve as the single entry point for the public and provide access to a secured central courtyard. Clad in deeply-articulated curtain wall and elements of stone, the project will span two city blocks in downtown Long Beach and

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Long Beach Court Building, Long Beach, Calif. (Rendering courtesy of AECOM)

Tallest Green Building in D.C. Area Rises in Rosslyn

ARLINGTON, Va. – **Clark Construction Group, LLC**, started construction on Monday Properties' 1812 North Moore in the Rosslyn section of Arlington, Va., late last year. The \$117 million project will deliver a 390-foot, LEED® Platinum designed new office tower that will be the tallest green building in metropolitan Washington, D.C.

The 35-story, 580,000 square-foot building will include column-free, trophy-class office space and offer unparalleled 360-degree views of the Potomac River, the Washington monuments, and the Georgetown neighborhood. Each floor will feature 580 linear feet of high-performance unitized curtain wall, maximizing direct lines of sight to Washing-

ton's monumental core and the Potomac River. The tower will be accented with a two-story, aluminum-clad steel pyramid at the top. Together with state-of-the-art security detail and 11,000 square feet of retail, 1812 North Moore also will feature five levels of underground parking and four levels of above-grade parking for a total of 480 parking spaces.

The project team, which includes **Clark Foundations** and **Clark Concrete**, will face numerous challenges, including blasting rock in close proximity to an adjacent Metro station and a Dominion Virginia Power substation. In addition, the scope of work includes re-cladding the substation while it remains fully operational.

1812 North Moore has already been certified LEED Gold for Neighborhood Development and is designed to achieve LEED Platinum for Core & Shell.

1812 North Moore is expected to be complete by the fall of 2013. More information is available at www.1812northmoore.com.

Davis Carter Scott, McLean, Va., is the project architect. Additional project partners include KCE Structural Engineers, Washington, D.C., structural engineer; TOLK, Inc., Fairfax, Va., MEP engineer; and VIKA, McLean, Va., civil engineer.

1812 North Moore, Rosslyn, Va. (Rendering courtesy of Davis Carter Scott)



Clark/McCarthy Team Up to Replace Central Utility Plant at LAX

LOS ANGELES – Clark/McCarthy, A Joint Venture, is returning to Los Angeles International Airport (LAX). The joint venture team, which completed the \$723.5 million (\$575 million construction cost) Tom Bradley International Terminal Improvements and Baggage Screening Systems project in 2010, recently was awarded a \$272 million design-build contract to replace the airport's central utility plant (CUP).

The project will provide LAX with a new, 75,000 square-foot CUP with a 20,000-ton cooling capacity. The CUP's equipment will include electric-driven centrifugal chillers, steam-driven chillers, and a co-generation system that uses steam generators to recover heat produced by gas-turbine-driven generators. The project team will be responsible for installing all of the associated equipment, which encompasses a stand-by boiler, primary and secondary chilled water pumps, cooling towers, and an above-grade thermal energy storage tank.

Clark/McCarthy also will install replacement utility distribution piping, electrical and communications duct banks, reclaimed water, fire water, and potable water piping to all terminals at LAX. The existing CUP will service the airport throughout construction. Upon completion, the replacement will be brought on-line and the existing central utility plant will be decommissioned and demolished.



Los Angeles International Airport Central Utility Plant, Los Angeles, Calif. (Rendering courtesy of Gruen Associates)

Systems and their components will be designed and constructed to achieve LEED® Silver certification.

Construction began in February and is scheduled to be complete in summer 2014.

Gruen Associates of Los Angeles is

the architect and Arup of Los Angeles is the mechanical, electrical, plumbing, structural, and commissioning engineer. Additional project partners include Capital Engineering Consultants, Rancho Cordova, Calif., mechanical consultant; Greenform, Los Angeles,

sustainability consultant; and PID Engineering, San Diego, co-generation consultant.

Clark/McCarthy, A Joint Venture is a joint venture between Clark Construction Group and McCarthy Building Companies.

Rebuilding Historic YMCA Part of Mixed-Use 14W Project



14W, Washington, D.C. (Rendering courtesy of Davis Carter Scott and HOK)

WASHINGTON, D.C. – Perseus Realty and Jefferson Apartment Group have selected **Clark Construction Group, LLC**, to build the \$46 million 14W project in northwest Washington, D.C. The project will bring luxury apartments to the city's U Street corridor while preserving the neighborhood's institutions and aesthetic.

Clark is building a seven-story, 300,000 square-foot mixed-use structure

that will include 231 luxury apartments, 10,000 square feet of retail shell space, and an all-new 44,000 square-foot YMCA Anthony Bowen center. The new mission driven facility will include a 25-meter indoor swimming pool, sauna, wellness center, childcare area, rooftop terrace, and community rooms. It will stand as an enduring legacy to the first YMCA chapter for African Americans, originally founded in 1853.

Several historic townhouses and a carriage house stand on 14W's site. The project team's scope of work includes the renovation and restoration of selected townhouse buildings and the carriage house. The remaining structures, along with below-grade structures, will be demolished in order to create a two-and-a-half story, below-grade parking garage.

Clark began work on 14W in Janu-

ary and completion is scheduled for November 2012.

Davis Carter Scott, McLean, Va., and HOK, Washington, D.C., are the project architects. Additional project partners include Tadjer-Cohen-Edelson Associates, Silver Spring, Md., structural engineer; GHT, Arlington, Va., MEP engineer; and VIKA, McLean, Va., civil engineer.

Cato Institute Expansion and Renovation Underway in Washington, D.C.

WASHINGTON, D.C. – **Clark Construction Group, LLC**, is expanding and renovating the Cato Institute headquarters at 1000 Massachusetts Avenue, NW. The approximately \$20 million project will nearly double the size of Cato's existing facility.

The first portion of the project is

the demolition of the adjacent National Medical Association building, which Cato purchased in 2009. Clark will build a new, seven-story structure south of the existing Cato building and attach the two structures at each level.

The new building, totaling 76,000 square feet, will include two levels of

below-grade parking, expanded office space, a 200-seat auditorium, conference and classroom facilities, a fitness center, a library, and a roof terrace. To accommodate the expansion, Clark will add one level of office space to Cato's existing six-story building.

The exterior of the new building will be wrapped with a metal panel and punched window system which will tie into the existing building's split-face façade.

Clark will open up the slab-on-grade on the project's south end to perform footing augmentation work in advance of joining the two structures. The project team also will add support to the existing footings and add braces

to the existing columns to allow the current Cato structure to handle the load of the new work.

The Cato Institute will remain operational during the expansion and renovation. To minimize impact on the organization's existing employees, Clark has enacted an extensive communication plan and is providing weekly schedule updates to the Cato staff.

The project is expected to be complete in early 2012.

Project partners include Akridge, Washington, D.C., development manager; Gensler, Washington, D.C., architect; Girard Engineering, Falls Church, Va., MEP engineer; and SK&A, Washington, D.C., structural engineer.

Atkinson Building Multi-Level Intersection in Washington State

TUKWILA, Wash. – The City of Tukwila awarded **Atkinson Construction** a \$10.8 million contract for the Tukwila Urban Access Improvement project to mitigate traffic conditions along the Southcenter Parkway.

Currently, the Southcenter Parkway runs over an embankment at the intersection of Klickitat Drive. Atkinson will excavate and install back-to-back soldier pile walls to support a 30-foot-wide excavation beneath the current embankment. This will eliminate the intersection by allowing two lanes of southbound traffic to travel underneath the embankment and the two lanes of northbound traffic to move uninterrupted above.

To maintain access between the Southcenter Parkway and Klickitat

Drive, Atkinson also will construct a new bridge that will connect to the existing bridge running over Interstate 5 on Klickitat Drive.

In addition to traffic control, Atkinson will rely on its self-perform capabilities for the 25,000 cubic yards of excavation, 4,600 linear feet of drainage, 14,600 square feet of cast-in-place Fascia, 7,200 square feet of cast-in-place retaining wall, 3,100 square feet of cast-in-place bridge deck, and 20,000 square feet of mechanical-stabilizing earth retaining walls.

Construction began in February and completion is scheduled for November 2011.

HTNB of Seattle is the project designer.

Clark To Build 474-Unit Sedona - Slate Project in Rosslyn

ARLINGTON, Va. –The JBG Companies has awarded **Clark Construction Group, LLC**, a \$66 million contract to build Sedona - Slate, two residential buildings totaling 472,000 square feet, in Arlington's vibrant Rosslyn neighborhood.

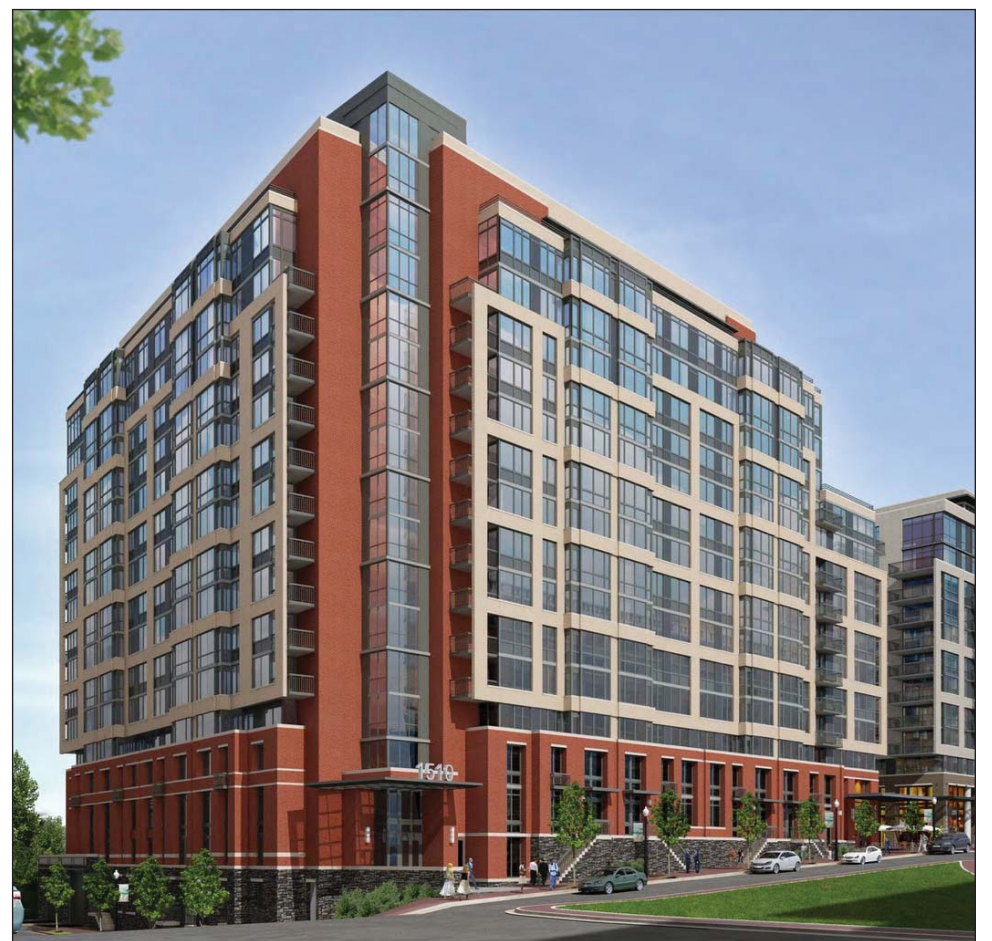
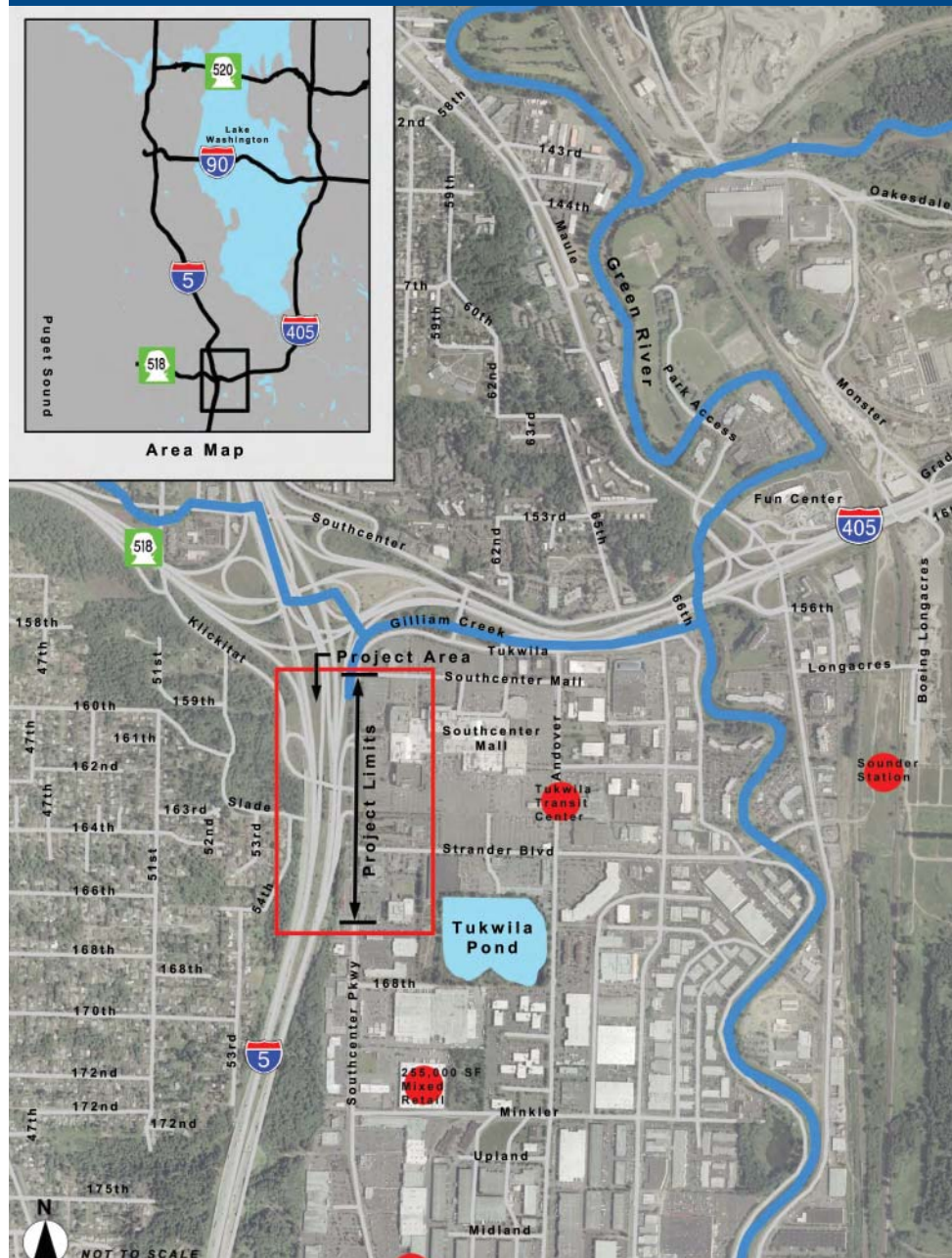
Sedona - Slate will consist of two cast-in-place concrete buildings supported by a 432-space parking garage. Enclosed in an intricate brick and glass façade, the building will house 474 residential units, 12,800 square feet of ground floor retail space, and a 30,000 square-foot courtyard.

Designed to earn LEED® Silver certification, Sedona - Slate will feature numerous sustainable amenities including a reflective roofing system, water efficient landscaping, green power, and

a green housekeeping system.

Clark began construction this winter and completion is anticipated in early 2013.

Collins & Kronstadt of Silver Spring, Md., is the project architect. Additional project partners include Cagley & Associates, Rockville, Md., structural engineer; Bowman Consulting, Chantilly, Va., civil engineer; Hartman Design Group, Rockville, Md., interior designer; Studio 39 Landscape Architecture, P.C., Alexandria, Va., landscape architect; PageSoutherlandPage, Arlington, Va., LEED consultant; Power Design, Inc., Arlington, Va., design-build electrical subcontractor; TD Industries, Dallas, design-build mechanical subcontractor.



Sedona - Slate, Arlington, Va. (Rendering courtesy of Collins & Kronstadt)

New Terminal B Opens at San Antonio International Airport

SAN ANTONIO – The San Antonio International Airport (SAIA)'s new Terminal B opened for first flight on November 9. The **Clark/Byrne, A Joint Venture**, project team, working in conjunction with the City of San Antonio's Capital Improvements Management Services department, Jacobs, and Parsons+Corgan, completed the \$158 million scope of work. In addition to building the new terminal, the project included consolidating the airport's baggage handling systems in an expanded building and constructing a new central utility plant.

The 225,000 square-foot Terminal B has eight gates and four levels: arrivals, departures, mezzanine, and service. It is a concrete structure with a structural metal roof. Exterior features include cur-

tain wall, metal wall panels, stone veneer, and a thermo-plastic roof. Inside, air travelers are welcomed by terrazzo floors, metal ceilings, and interior glass separation walls. American Airlines and Continental Airlines share the terminal's gates.

The Terminal B project site is located in between two other active terminals and a roadway project. Construction access was limited to just one side of the project – the secured tarmac of the airport – and the Clark/Byrne team had to install retaining walls on the other three sides. In order to get project workers from the parking lot to the site, the team developed a site-specific airport security plan and access control procedures, approved by the Transporta-

tion Security Administration, to allow secured travel through the airport operations area.

The project team expanded SAIA's existing baggage handling facility by 13,000 square feet and installed a new baggage handling system with five screening machines, five outbound make-up units, and two curbside bag check conveyors. The expansion allowed the TSA to relocate their screening process to a centralized, fully-automated baggage screening area, freeing up space in the airport's lobby.

The new 6,000 square-foot central utility plant houses three 1,400-ton chillers, three 4,200-gpm three-cell cooling towers, six 2,800-gpm chilled water pumps, and three tertiary 4,200-

gpm chilled water pumps. The plant also houses SAIA's building automation system.

Clark/Byrne, in collaboration with the City of San Antonio's Capital Improvement Management Services department and Jacobs, managed the project's construction. Parsons+Corgan, a joint venture of Parsons Corporation of San Antonio and Corgan Associates of Dallas, was the project designer.

Clark/Byrne, A Joint Venture is comprised of Clark Construction Group – Texas, LP and Thos. S. Byrne of Fort Worth, the largest Hispanic-owned contractor in Texas. Brian Smith Construction Inspection of Houston provided personnel to support the joint venture.

Building Information Modeling Vital to New John Muir Medical Center Construction

WALNUT CREEK, Calif. – In December, **Clark Construction Group – California, LP**, reached substantial completion on the \$310 million, 400,000 square-foot John Muir Medical Center, Walnut Creek expansion and remodel project, The Tom and Billie Long Patient Care Tower. The owner began moving in this January and occupancy is expected in April 2011. Clark used Building Information Modeling (BIM) throughout construction, relying on three-dimensional models to overcome some of the project's greatest challenges.

The project adds a five-story (plus basement), 242-bed medical tower, central utility plant, and underground loading dock to JMMC's existing hospital in Walnut Creek. The new tower, which is connected to the existing hospital, is a steel-braced frame with a concrete

slab over metal deck with exterior finishes including curtain wall, storefront, punched windows, precast, stone, metal, and plaster systems. The new main lobby features a skylight with a glass rotunda. The tower's main roof supports a helipad and primary mechanical equipment. Roofs at lower levels feature gardens with trellises. Within the new tower, Clark built an imaging area, three operating room suites, pharmacy, kitchen, neonatal intensive care unit, post-partum unit, pediatric unit, critical care unit, emergency department observation unit, cath labs, and medical/surgical units.

From the start of construction in January 2008 through completion three years later, the John Muir Medical Center, Walnut Creek project underwent 13,000 inspections. By pre-planning the work, cultivating positive relationships

with inspection teams, and establishing a quality control program, the project incurred zero non-compliance citations.

Building Information Modeling

During construction, the project team relied on three-dimensional Building Information Modeling (BIM) to navigate several logistical challenges. The BIM model was used for clash detection, coordination, material fabrication, real time delivery, and installation. By combining the model with on-line meeting software, Clark was able to hold coordination meetings with detailers in several states at the same time, eliminating the need for costly and timely travel, and creating a more efficient process.

BIM also helped tie together the two buildings. The existing hospital has 14-foot floor-to-floor heights, two feet

lower than the current hospital industry standard. The project team used the BIM model to make the best use of the limited space for all systems and minimize conflicts.

Ensuring a Safe Environment

To allow for the new tower, portions of the existing hospital were demolished. New structural members were slotted through the operating medical facility, which required uncovering the existing structure to interlock those members. In other places, the new tower was constructed within six inches of the existing structure and connected with an expansion joint. Throughout construction, Clark worked closely with John Muir Health and other authorities to minimize impact to hospital staff, patients, ongoing medical services, and critical services including the helipad and emergency room.

As an added commitment to safety, Clark entered into a first-of-its-kind partnership with the California Division of Occupational Safety and Health (Cal/OSHA). During construction, Clark, the Contra Costa County Building and Construction Trades Council, and Cal/OSHA met on a monthly basis as partners at the project site. The three groups worked together to improve workplace safety and reduce work-related injuries and illnesses. These monthly meetings provided project workers with the opportunity to talk directly with a Cal/OSHA enforcement officer about safe working practices and safety regulations. For their efforts, Cal/OSHA awarded Clark the first ever partnering award in December 2010 and a certificate of recognition in January 2011.

Ratcliff, Emeryville, Calif., was the project's architect with their major consultants Ove Arup and Partners, California Ltd., San Francisco, structural engineer, and Mazzetti & Associates, San Francisco, MEP engineer. On the owner's side, the project was managed by John Muir Health's Facilities Development department with assistance from Jtec HCM, Inc., Oakland.



John Muir Medical Center, Walnut Creek, Calif. (Photo by Skyhawk Photography)

Clark's Commitment to Safety is Evidenced Across the Country

Clark Concrete Marks One Year With Zero Lost Time Incidents

On New Year's Eve, as the clock neared midnight, the workers of Clark Concrete had reason to celebrate. The group had gone a full calendar year without a lost time incident. Clark Concrete's streak actually dates back to 2009 for a total of 850,000 man hours worked. In addition to zero lost-time incidents, in 2010, Clark Concrete worked 23 weeks with zero first aid or recordable incidents.

Clark Concrete's safety record is a reflection of the entire team's commitment to preparation and safe job site practices. The team meets monthly to discuss and analyze safety and incident trends. After identifying stripping concrete formwork as a primary source of injuries, Clark Concrete developed a training video to review proper processes and safety techniques. The video, along with increased safety standdowns and information sharing, are

reasons why Clark Concrete expects to continue its safety record well into 2011.

SAMMC's Sterling Safety Record

The Clark/Hunt project team building San Antonio Military Medical Center – North (SAMMC), including all subcontractors, has now worked more than four million manhours with zero lost-time incidents. Since breaking ground in late 2008, the project has not had a single lost-time incident. One of Clark's largest current projects, SAMMC averaged nearly 8,500 daily manhours worked last year.

New construction components of the project, which include a 750,000 square-foot medical tower, 34,000 square-foot central energy plant, and 5,000-space parking facility are expected to be complete by this summer. Renovation work to the existing Brooke Army Medical Center will continue through 2013.



Construction continues at SAMMC-North, San Antonio (Photo by Eric Richter)

Team Effort Delivers Award-Winning U.S. Institute of Peace Headquarters

WASHINGTON, D.C. – Clark Construction Group, LLC, in partnership with its self-perform divisions, has reached substantial completion on the U.S. Institute of Peace Headquarters project. Built on one of the last available sites at the northwest corner of the National Mall, the building is notable for its eye-catching design and exceptional craftsmanship.

The five-story, 150,000 square-foot concrete structure was designed with three distinct wings flanking two atria. A five-story curtain wall system at the front of one of the atria creates a grand hall. The top three stories of the Institute's headquarters contain office space for the organization's staff. Each individual office has an exterior

window or an interior window overlooking an atrium below. Additional building facilities include a 230-seat theater, seven conference rooms, a 2,000 square-foot outdoor terrace, a two-level underground parking garage, and a landscaped exterior plaza with curved retaining walls.

To accommodate the below-grade parking, the project required a 90,000 cubic-yard excavation, including 65,000 cubic yards of solid rock. Clark Foundations' support of excavation system included 134 soldier beams, 22,000 square feet of lagging, 13,000 square feet of shotcrete, 271 drilled tiebacks, and 770 drilled rock bolts. In addition, the system avoided several buried utility lines and a 72-inch sewer pipe that bisected the site just a few feet below the excavation.

Clark Concrete was responsible for the project's complicated cast-in-place concrete work. Because of the building's atypical layout, cast-in-place and precast concrete often met along radial gridlines. This required Clark Concrete to carefully plan their efforts to match the precast panels. The team also constructed the building's roof trellis entirely from architectural concrete.

Clark Foundations' efforts were honored with a 2009 Excellence in Construction award from Associated Builders and Contractors of Metropolitan Washington. Clark Concrete received a 2010 Washington Building Congress Craftmanship Award for their work on the project, one of eight

awards the project earned in the competition.

One of the project's most notable aspects is its roof. Two curving curtain wall systems on top of the roof are designed to evoke the image of the wings of a dove. From the exterior, they appear white during the day and glow from soft light within at night. The systems are constructed of a steel frame and nearly 1,500 white translucent glass panels. The south roof has a 12,000 square-foot surface area and spans 80 feet between buildings; the north roof has a 7,500 square-foot surface area and spans 55 feet. One of the building's "wings" extends 40 feet away from the building toward the nearby Lincoln Memorial. To prevent these wings' movement during strong winds or pressure, the roof and curtain wall's design accounts for blast, thermal, wind, and snow loads. Stationary and sliding support connections are anchored to the structure through embeds – Clark Concrete placed one embed weighing more than 1,500 pounds.

Safdie Architects, Somerville, Mass., is the architect, and Buro Happold, New York, is the mechanical, structural, and electrical engineer; Wiles Mensch Corporation, Reston, Va., is the civil engineer; and Schnabel Engineering, Gaithersburg, Md., is the geotechnical engineer. Other project partners include Seele, LP, New York, glass roof contractor; John J. Kirlin, Rockville, Md., mechanical and plumbing contractor; Mona Electric Group, Clinton, Md., electrical contractor; and Stranix Associates, LLC, Vienna, Va., owner representative.



U.S. Institute of Peace, Washington, D.C. (Photo by Timothy Hursley)

Monumental Quality

Subcontractors on eight Clark projects in the Mid-Atlantic Region were recently honored for the quality of their work with a Washington Building Congress (WBC) Craftsmanship Award. Trade work on Clark projects, including work performed by Clark Concrete and Clark Foundations, earned 22 of the WBC's 78 total awards.

Clark's 2011 WBC Craftsmanship Award winners include:

1000 Connecticut Avenue

Trade: Sitework
Category: Underpinning, Foundations and Excavations
Subcontractor: Clark Foundations

Arena Stage Expansion and Renovation

Trade: Electrical
Category: Lighting Systems
Subcontractor: Truland Systems Corporation

Trade: Finishes
Category: Plaster (Dryvit)
Subcontractor: Cleveland Construction

Trade: Special Construction
Category: Thermal and Moisture Protection
Subcontractor: Gordon Contractors

Trade: Special Construction *
Category: Acoustic Ceiling
Subcontractor: Cleveland Construction

Clarendon Center (South)

Trade: Masonry
Category: Unit Masonry
Subcontractor: Calvert Masonry

Two Constitution Square

Trade: Masonry
Category: Interior Stone & Marble
Subcontractor: Rugo Stone

Howard Hughes Medical Institute Headquarters Expansion

Trade: Finishes
Category: Plaster
Subcontractor: Manganaro Midatlantic

Trade: Masonry
Category: Interior Stone & Marble
Subcontractor: Lorton Stone

NGA Campus East

Trade: Concrete
Category: Precast Concrete
Subcontractor: Arban & Carosi

Trade: Special Construction
Category: ETFE
Subcontractor: Transparent Systems Installers

Five craftsmanship award winners were nominated for a Star Award. The ultimate testament to quality craftsmanship in the Washington, D.C., area, WBC presents three Star Awards each year: Technical Excellence, Visual Excellence, and Excellence in the Face of Adversity. Star Awards will be announced during the WBC Craftsmanship Awards Banquet in March.

* star award nominee

Square 54 Garage and Office

Trade: Concrete
Category: Cast-in-Place Concrete
Subcontractor: Clark Concrete

Trade: Doors & Windows *
Category: Windows and Storefront
Subcontractor: Harmon, Inc.

Trade: Masonry
Category: Interior Stone & Marble *
Subcontractor: R. Bratti Associates

U.S. Institute of Peace Headquarters

Trade: Concrete
Category: Precast Concrete
Subcontractor: Modern Mosaic

Trade: Doors & Windows
Category: Curtain Walls
Subcontractor: Seele

Trade: Finishes
Category: Drywall
Subcontractor: Manganaro Midatlantic

Trade: Masonry
Category: Interior Stone & Marble
Subcontractor: Lorton Stone

Trade: Mechanical
Category: HVAC-Piping
Subcontractor: John J. Kirlin LLC

Trade: Mechanical
Category: HVAC-Sheet Metal
Subcontractor: United Sheet Metal

Trade: Metals *
Category: Ornamental Metals
Subcontractor: Independent Custom Metalworks

Trade: Woods & Plasters *
Category: Architectural Millwork
Subcontractor: Jefferson Millwork

Three-Building Constitution Square Project Complete in NoMa



One Constitution Square, Washington, D.C. (Photo by Fred Gerlich)

WASHINGTON, D.C. – **Clark Construction Group, LLC**, has completed the three-building, 1.6 million square-foot Constitution Square project in Washington, D.C.'s NoMa district. During its construction, the \$530 million project (\$275 hard construction cost) was the largest private construction project in the city. Developed by StonebridgeCaras and Walton Street Capital, Constitution Square includes two office buildings and a residential building, spans a full city block, and is serviced by two entrances to the New York Avenue-Florida Avenue-Galludet U Metro station.

Both of Constitution Square's office buildings are 12 stories above grade with three levels of below-grade parking. The buildings' exteriors are precast concrete with punched windows and curtain wall. The 350,000 square-foot One Constitution Square has a covered and partially-enclosed roof top terrace with a panoramic view of Washington, D.C. Two Constitution Square is 589,000 square feet and features a three-story glass atrium with limestone flooring, back-lit imported onyx stone lining the walls, a massive skylight, and an interior curtain wall system.

The Department of Justice has fully leased Two Constitution Square. **Clark Interiors** performed the tenant fit-out of the office space.

Both Constitution Square office buildings achieved LEED® Platinum certification. In addition to sustainable features, including efficient fixtures and a design that maximizes natural light, the buildings have greywater recycling

systems and green roofs. In its Best of 2010 awards competition, Mid-Atlantic Construction magazine named Two Constitution Square the Best Green Office Project of the Year; One Constitution Square received an award of merit in the same category. In addition, the entire Constitution Square project earned LEED for Neighborhood Development certification through a U.S. Green Building Council pilot program.

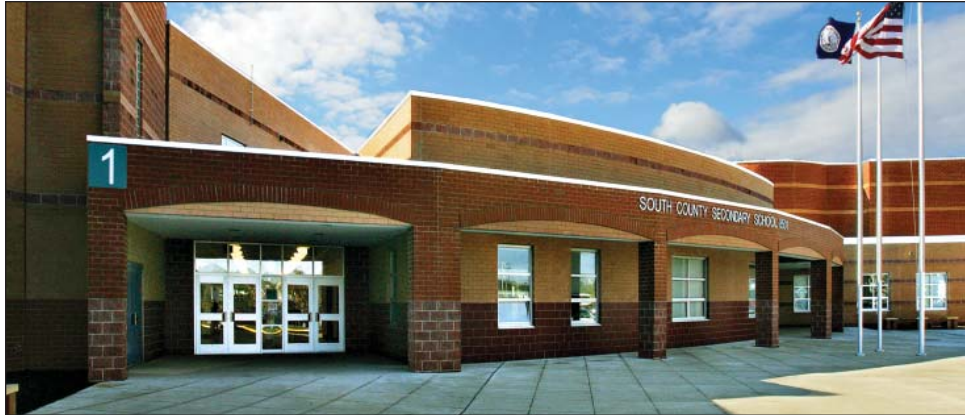
Constitution Square's 657,000 square-foot, 13-story residential building includes 440 luxury apartments, a 204-room Hilton Garden Inn hotel, and a 50,000 square-foot Harris Teeter grocery store. Building amenities include three courtyards, a fitness center, a club room, an outdoor swimming pool with sun deck, and a roof terrace.

Constitution Square is one of several recently-completed Clark projects in Washington, D.C.'s NoMa (North of Massachusetts Avenue) business district. Other NoMa projects include the Courtyard Marriott US Capitol, 90 K Street/Sentinel Square I, and 111 K Street, NE.

HOK, Washington, D.C., is the architect of Constitution Square's office buildings. SK & I Architectural Design Group, Bethesda, Md., is the architect of the project's residential component. Additional project partners include GHT Limited, Arlington, Va., MEP engineers; Tadjer-Cohen-Edelson Associates, Inc., Silver Spring, Md., structural engineer; Parker Rodriguez Alexandria, Va., landscape architect; and Wiles Mensch Corporation Reston, Va., civil engineer.

Public-Private Partnerships Deliver Results with Reduced Budget, Schedule, and Risk

Edgemoor Real Estate Services, an affiliate of Clark Construction Group, LLC, specializes in public-private partnerships (PPP) and alternative delivery and financing models. The group works with governments, municipalities, and schools across the country to find innovative methods to deliver currently needed, large-scale projects. Edgemoor was recently part of the Long Beach Judicial Partners team that secured the Long Beach Court Building project in California. Here's a look at some recent projects highlighting Edgemoor's public-private partnership experience combined with the industry expertise of Clark Construction, Shirley Contracting, and Atkinson Construction.



Project: South County Secondary School
Location: Lorton, Va.
Cost: \$64 million
Owner: Fairfax County Public Schools
Completion: 2005

Description: This 386,000 square-foot school in Fairfax County, Va., serves more than 2,500 students in grades seven through 12.

PPP Advantage: Constructed before Virginia's Public-Private Educational Facilities Infrastructure Act (PPEA), Edgemoor's proposal monetized unused Fairfax County land assets to lower the overall net cost of the project and accelerate the delivery of the school without taking any funds out of the school system's capital improvement plan. Through the land sale, value engineering, and other creative financing tools, the county saved over \$25 million against the project budget. This created enough funds to expedite the renovation of 11 other school facilities.

Project: Mary Ellen Henderson Middle School
Location: Falls Church, Va.
Cost: \$25 million
Owner: Falls Church City Public Schools
Completion: 2005

Description: A new 135,000 square-foot middle school built with technologically advanced, flexible learning spaces. The school serves three grades and contains a cafeteria, auditorium, gymnasium, art lab, library, science and computer rooms, and a media production area. This was the first project built under Virginia's PPEA legislation.

PPP Advantage: Falls Church City Public Schools hired Edgemoor to deliver turnkey development services including site selection, entitlements, program development, zoning, and construction. By leveraging Edgemoor's development capabilities, and Clark's construction expertise, the school was delivered two years earlier and nearly \$10 million below original expectations.



Project: Route 28 Corridor Improvements
Location: Fairfax and Loudon Counties, Va.
Cost: \$359 million (total, two phases)
Owner: Virginia Department of Transportation
Completion: 2010

Description: Conversion of a vital traffic corridor to a limited access roadway to better serve the growing needs of the local business community. Shirley Contracting converted 10 at-grade signalized intersections to high-capacity grade-separated interchanges.

PPP Advantage: Developed under Virginia's Public-Private Transportation Act, the project was delivered 10 to 15 years earlier than traditional procurement methods and with the Commonwealth only paying for 25 percent of the project's costs. The project was funded primarily through revenues from a special tax in the Route 28 Land Owners' Tax District. Edgemoor and Shirley Contracting worked with Fairfax and Loudon Counties, as well as the members of the Route 28 Tax District, to develop a financial plan to fund both phases of this massive infrastructure improvement project.



Project: UCSF Neurosciences Building
Location: San Francisco
Cost: \$173.5 million
Owner: University of California San Francisco
Completion: 2012 (anticipated)

Description: The 237,000 square-foot building will have both clinical and laboratory research space, and will be home to the university's Department of Neurology, the Institute for Neurodegenerative Diseases, and the W.M. Keck Foundation Center for Integrative Neuroscience.

PPP Advantage: Under the lease-leaseback transaction structure, UCSF, which owns the land, will ground lease the site and enter into a space lease for the building. At the end of the 38-year lease period, UCSF will assume ownership of the building. This structure has allowed UCSF to have a new neurosciences building now, instead of waiting years for funds to become available.

Unique Public-Private Partnership Paves Way for New Long Beach Court Building *continued*

the functionally-obsolete courthouse building one block away. In addition to the new building, the project team also will renovate and expand an existing 300,000 square-foot parking structure.

The Long Beach Court Building is the first social infrastructure project in the United States procured under the principles of Performance Based

Infrastructure (PBI) contracting. While the state of California will own the building, under the PBI agreement, California's Administrative Office of the Courts (AOC) will occupy the space and pay LBJP an annual, performance-based service fee for 35 years. The PBI delivery method will leverage the private sector's access to financing, technological expertise, and management efficiency to quickly provide a high-quality facility that will serve the Superior Court of Los Angeles County.

The LBJP team is led by Meridiam Infrastructure, New York, a long-term equity fund focused on infrastructure development. The team also includes facilities manager Johnson Controls of Milwaukee, as well as the design team of AECOM Services, Los Angeles, architect; Syska Hennessy Group, Los Angeles, MEP engineer; and Nabih Youssef Associates, Los Angeles, structural engineer.

Design efforts began in January. The project is scheduled for completion in August 2013.



(Rendering courtesy of AECOM)

People

Chip Hastie Promoted to Vice President



COSTA MESA, Calif. – Clark Construction Group – California, LP, is pleased to announce that Chip Hastie has been promoted to Vice President. In his

new role, Mr. Hastie will help lead the design and construction of the Long Beach Court Building project in Long Beach, Calif.

Mr. Hastie started his career at Clark as a summer intern and was hired in 1999 as an office engineer. In that role, he was part of the 2001 K Street team, assisting in both project management and field supervision, before being promoted to project engineer. After working in Clark's Preconstruction Department on Dulles Corner Parcel 2 in Herndon, Va., and on the Hyatt Regency Chesapeake Bay Resort in Cambridge, Md., Mr. Hastie relocated to the Western Region and joined the PETCO Park project team in San Diego in 2002.

At PETCO Park, Mr. Hastie initially served as quality control manager and was later promoted to project manager, handling finishes and exterior skin trades. He also was project manager on the company's first high school project with the Los Angeles Unified School District, LAUSD #10, and was promoted to senior project manager to lead the VA San Diego Seismic Correction project in La Jolla, Calif. Later, as project executive, Mr. Hastie led Clark's efforts on the University Gateway project in Los Angeles and helped start the MCAS Miramar Brig project. Most recently, Mr. Hastie was Director of Clark's Sustainable Solutions business unit, handling market analysis, entry strategy, and business development efforts in the energy market.

Mr. Hastie has a bachelor's degree in civil engineering from the University of Virginia and a master's in business administration from the University of Southern California's Marshall School of Business. He is a LEED® Accredited Professional, Safety Trained Supervisor, and certified design-build professional. Mr. Hastie has volunteered extensively with Rebuilding Together San Diego, serving on its board of directors for several years.

Dennis Breen Promoted to Vice President

COSTA MESA, Calif. – Clark Construction Group – California, LP, is pleased to announce that Dennis Breen has been promoted to Vice President.



In his new role, Mr. Breen will maintain responsibility for Clark's efforts on the \$157 million Disney California Adventure Cars Land project.

Mr. Breen joined Clark as a project executive in 2004. His first project, the Pasadena City Hall Seismic Rehabilitation, was an \$83 million seismic retrofit of Pasadena's historic, but fragile, city hall. For his efforts on the project, Mr. Breen was named Project Manager of the Year in 2007 by California Construction magazine.

At the \$122 million Pasadena Convention Center project, Mr. Breen led Clark's team in adding 194,500 square feet of exhibition, ballroom, and administrative space to the facility. He also was responsible for the East Los Angeles High School #2 project, constructing the \$150 million, nine-building academic campus for the Los Angeles Unified School District.

Prior to joining Clark, Mr. Breen spent 35 years with American Bridge Company, rising to the position of operations manager. While with this structural steel company, Mr. Breen completed many challenging projects across the country, including work on Clark's Los Angeles Convention Center and PETCO Park projects.

Mr. Breen holds a bachelor's degree in civil engineering from Rensselaer Polytechnic Institute. He is a professional engineer registered in California, New York, and Puerto Rico and is a member of the American Society of Civil Engineers. Mr. Breen also is a Safety Trained Supervisor.

Joe Hogan Promoted to Senior Vice President



BETHESDA, Md. – Clark Construction Group, LLC, is pleased to announce that **Joe Hogan** has been promoted to Senior Vice President.

Mr. Hogan joined Clark in 2001 as a senior project manager on the National Institutes of Standards and Technology Advanced Measurement Laboratory project in Gaithersburg, Md. After his promotion to project executive in 2003, Mr. Hogan worked on several prominent acquisitions including Nationals Park.

In 2006, Mr. Hogan was promoted to vice president and led Clark's design-build efforts on the Eli Lilly-PWC project in Manassas, Va. He was integral to the successful acquisition of the \$825 million design-build Walter Reed National Military Medical Center project in Bethesda, Md., where for the past three years he has led operations on the

project's new construction and renovation components.

Recently, Mr. Hogan was involved with the acquisition of the Naval Hospital Replacement Project at Camp Pendleton in Southern California and he is currently assisting in design management efforts there.

Prior to joining Clark, Mr. Hogan worked for a Rochester, N.Y.-based general contractor. While there, he specialized in the healthcare, laboratory, and industrial markets. Mr. Hogan holds a bachelor's degree in civil engineering from Norwich University.

Jim McLamb Promoted to Senior Vice President



COSTA MESA, Calif. – Clark Construction Group – California, LP, is pleased to announce that **Jim McLamb** has been promoted to Senior Vice President.

In his new position, Mr. McLamb will maintain day-to-day responsibility for Clark's efforts in Southern California, including project operations and the Costa Mesa office.

Mr. McLamb joined Clark in 1990 as a field engineer on the Naval Intelligence Center project in Suitland, Md. The following year, he relocated to California as a project engineer on the Los Angeles Convention Center Expansion. At that time, the \$303 million project was the largest in company history.

While working on the Flamingo Hilton Hotel Casino Expansion in Las Vegas, Mr. McLamb was promoted to project manager. Following that project, he returned to Southern California and, as project executive, was responsible for Clark's efforts on the Los Angeles City Hall Seismic Rehabilitation and PETCO Park projects. After his promotion to vice president in 2005, Mr. McLamb moved to the Costa Mesa office and assumed his current responsibilities.

Mr. McLamb holds a bachelor's degree in building construction from the University of Florida and a juris doctor from Whittier Law School. He is the company's labor relations liaison in Southern California. He is a member of the American Bar Association, the Los Angeles Business Council, and the Construction Management Association of America – Southern California Chapter. Mr. McLamb is a board member of Associated General Contractors of California and the ACE Mentor Program.

Did you know that pdf versions of Clark's Superstructure newsletter are available to read or download online? If you would like to view the current edition of our newsletter online simply visit the "News" section of our website: clarkconstruction.com



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