

Houston Office Secures New Joint Processing Center



HOUSTON - Clark's Houston office has secured its first project, a \$78 million contract to construct the Harris County Joint Processing Center.

The three-story center will combine county and city inmate processing to streamline government operations and the criminal justice process. The 250,000 squarefoot facility will contain detainee processing areas, temporary holding cells, medical health services, arraignment courtrooms, a 585-bed short-term inmate housing area, and operation areas for both the Harris County Sheriff's Office and the City of Houston Police Department.

Clark will construct a concrete structure, complete with a brick façade and ribbon windows. The interior walls will contain security glazing at all detention areas to meet jail security standards. The company also will construct a secure-zone tunnel system under an active roadway to connect the Joint Processing Center to existing and future jail facilities. Additionally, the team will pave a new road on the north side of the facility to

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provide access to the north entrance.

The Harris County Joint Processing Center is designed to achieve LEED[®] certification.

Construction is scheduled to begin in April 2015 and substantial completion is expected in March 2017.

Horizon International Group is Clark's joint venture partner. Clark and Horizon had a mentor/protégé relationship five years ago through Houston Community College's Building and Contracting Leadership Program. PGAL, Houston, is the project architect.

Strategic Partnership Program Helps Increase Small Business Capacity Nationwide

The Strategic Partnership Program, Clark's executive MBA-style class for small business owners and executives, now has a greater reach than ever. This fall, the program is being offered in five of the largest metropolitan areas in the country, helping to increase small business capacity from coast to coast. Clark is hosting more than 110 participants, whose businesses include construction trades and other industries, in Boston, Chicago, San Francisco, Southern California, and Washington, D.C.

"Our commitment to small businesses goes beyond any single project or contracting goal," said Robert D. Moser, Jr., Clark's President and CEO. "We developed the Strategic Partnership Program as a means to enhance these entrepreneurs' business acumen and increase their firm's capacity to take on larger, more complex projects.

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The Latest: NEW WORK

Across the country, and in a variety of markets. Clark Construction Group has recently been selected to deliver the following new construction projects. This guarter, our new work includes:

GOVERNMENT

Phase 1C Modernization of the Harry S Truman Building

DEPARTMEN

OF

STATE

Location: Company: Client: Architect: Contract:

Washington, D.C. Clark Construction Group U.S. General Services Administration Westlake Reed Leskosky \$77 million **Completion:** Summer 2017

Interior and exterior renovation to the headqu of the U.S. State Department

COMMERCIAL

ARENEW Environmental Center

Location:	Alexandria, VA
Company:	Clark Civil
Client:	Alexandria Renew Enterprises
Contract:	\$40 million
Completion:	Fall 2015

Six-story, LEED Platinum office building adjacent to the client's Nutrient Management Facility

EDUCATION

Los Angeles Valley Community **College Training Facility**

Los Angeles, CA
Clark Construction Group
Los Angeles Community
College District
Cannon Design
\$24 million
Fall 2015

Construction of a 25,000 square-foot stadium field house and several athletic fields

The Lab School of Washington, **D.C. New High School**

Location:	Washington, D.C.
Company:	Clark Construction Group
Client:	The Lab School of Washington, D.C.
Architect:	Stantec
Contract:	\$12.5 million
Completion:	Winter 2016

Construction of a new 29,000 square-foot academic facility in Washington, D.C.'s Palisades neighborhood

POWER

Tortolita to Pinal Central 500kV Transmission Line

Red Rock to Casa Grande, AZ Location: Atkinson Power Company: **Tucson Electric** Client: Contract: \$17 million Completion: Winter 2015

Installation of 40 miles of 500kV transmission line between two substations in southern Arizona

TECHNOLOGY SYSTEMS

McLearen Road Academy Technology Systems

Location:
Company:
Client:
Contract:
Completion

Herndon, VA S2N Technology Group Trammell Crow Company \$4 million Completion: Spring 2016

Installation of technology systems, including audio-visual, security, and structured cabling within a new academic facility





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For the past two years, Clark construction teams have been a fixture on Inova's Fairfax, Va., campus, bringing to life the healthcare system's new Women's Hospital and Children's Hospital (IWHICH) and a new parking structure. For the better part of the past two years, another Clark team also has been on site, guiding the construction team and Inova's personnel on how to ensure the campus' "brains" - its electronic security, networks, nurse call, real time location system, and communications systems - are designed, installed, and operating effectively.

S2N Technology Group is Clark's inhouse. low-voltage systems integrator and a valued partner to both our construction team and Inova's technology personnel. During the company's pursuit of the \$215 million IWHICH, Inova retained S2N on a small consulting contract to review the proposed scope of technology work in the project's bid documents. S2N identified nume missing components, including audio/video technologies and later helped Inova adjust the scope requirements and assisted in designing the audio/video packages. That early collaboration saved Inova from almost certain headaches; hastily adding the equipment later in the project's schedule would have adverse time and cost consequences

Since that early contract, S2N has aken on many additional responsibilities with Inova, adding more than \$14 million of work to their scope. As the systems integrator and installer on the 665,000 square-foot IWHICH, S2N ensures that the hospital's IT needs are accounted for throughout the design and construction process. Their project team is on site every day, working alongside Inova staff and Clark's construction team, and managing the insta various low-voltage systems, including A/V structured cabling, electronic security, infant protection, nurse call, real time location, wired and wireless networks, and overhead paging systems. S2N also is performing technology systems infrastructure integration and tying these systems into one Inova enterprise network.

Beyond the IWHICH, S2N is working with Inova and Clark to install and start-up security and parking systems in the campus new parking facility, as well as providing design and integration planning services for a new Cancer Center. S2N also worked with Inova to renovate and upgrade the main Inova Fairfax campus Security Command nter. allowing for future growth construction projects are brought online over the next few years. S2N's team of construction, design, and technology experts has made the group a valuable partner to Inova. As the health system continues to expand, S2N will be on hand to make sure that the "brains" are as well designed and built as the buildings.

S2N Partners with Inova to Build a Smarter Healthcare Facility

Strategic Partnership Program Helps Increase Small Business Capacity Nationwide continued

This program is a key element in our holistic effort to support small businesses on a national scale." The Strategic Partnership Program's curriculum was created in conjunction with Dartmouth College's Tuck School of Business and consists of weekly courses, supplemented by experiential learning in the field. Clark employees and industry experts work with program participants to review the fundamentals of

project management: estimating, purchasing, basic accounting and financial reporting, bonding and insurance requirements, as well as how to read and understand contracts. The program culminates with a capstone project requiring groups of students to develop and submit a business plan and present it to a team of Clark executive

Program participants work with Clark's Subcontractor Development Group and are encouraged to bid on company projects and to team with larger firms in their division to gain additional mentoring and foster continued growth and development.

Since its inception in 2006, 340 small business owners have graduated from the Strategic Partnership Program. Their companies have been awarded 498 contracts on Clark projects totaling \$664 million.

After 20 Years, LA's Hall of Justice **Shines Again**

LOS ANGELES - For eight decades, the Hall of Justice stood as a downtown Los Angeles landmark, serving as home to the LA County Sherriff's Department and Coroner's Office. The ornate building was damaged during the 1994 Northridge Earthquake and deemed structurally unsound for continued occupation. For 20 years, the Hall of Justice - which once housed infamous criminals including Charles Manson and Bugsy Siegel - sat dormant, falling deeper into disrepair, until Los Angeles County sought to re-open the building and awarded Clark and A.C. Martin a design-build contract for a job that was equal parts structural retrofit, historic restoration, and complete tenant improvement. Over the course of the last three years, the project team meticulously repaired and restored the Hall of Justice, delivering a modern, functional facility that retains all of its original grandeur.

To structurally retrofit and reinforce the building, the team added concrete shear walls and drag beams on each elevation of every floor, while two interior light courts were reinforced with a system of strongbacks tied into the masonry with approximately 60,000 helical anchors.

The project's restoration efforts were even more intense. The team included a resident conservator who performed small-scale mock-ups of each piece of historic fabric, including the exterior granite and terra cotta façade, the interior woodwork, the historic stairs, plaster, multiple metal types, terrazzo, and the interior stone cladding. These mock-ups helped the team understand how each historic element performed and should be properly restored to its original state.

In addition to repairing and restoring the historic structure, the project team built a new 1,000-vehicle parking structure.

The LEED Gold Hall of Justice was re-dedicated in October and is once again home to the Sherriff's Department, as well as the Los Angeles District Attorney.

Project partners include AECOM, Los Angeles, tenant improvement architect; Englekirk & Sabol, Los Angeles, structural engineer; Syska Hennessy Group, Los Angeles, MEP engineer; VCA Engineers, Inc., Los Angeles, civil engineer; Levin & Associates Architects, Los Angeles, historical architect; Murray Companies, Rancho Dominguez, Calif., and Critchfield Mechanical, Irvine, Calif. mechanical and plumbing contractors; and Dynalectric, Los Alamitos, Calif., electrical contractor. Project consultants include Simon Wong Engineering, Los Angeles, mechanical engineer; and Katherine Spitz Associates, Marina Del Rey, Calif., landscape architect.

"I want to commend the design-build project team who worked effectively and collaboratively to restore and resolve the many challenges on this project. They demonstrated the best practices to successfully deliver this project on schedule and under budget. Thank you team for delivering on our commitment to deliver excellence."

Hall of Justice, Los Angeles (Photos by Victor Mushetto)

Gail Farber Public Works Director County of Los Angeles





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Restoring a City Gem

To complete the Hall of Justice's structural retrofit, over 10 miles of #11 rebar was installed by hand through holes cut in the original slab.

The team abated lead paint from more than 1,600 priginal windows, including multi-light, double hung, cast iron, galvanized steel, and awning-style. Before re-installing the glazing, the team recreated each window's glazing stop screws o match the original

The Hall of Justice's historic wood elevator cabs were restored and re-installed in a modern elevator system. The facility features destination dispatch - a new technology that groups passengers on elevators based on common destinations. This efficiency allowed the project to proceed with one less elevator than originally planned

After a thorough evaluation, the team used a microabrasive glass bead blasting system, rather than the prescribed acid-based agent, to clean the building's granite façade. This process ensured that the hallmark exterior stone would regain its original luster but never dull over time.

"It was the centerpiece of the LA justice system, and it will be again. This building is a piece of living history."

Jackie Lacey LA District Attorney





During



Safety Stalemate Breeds Innovation at Hall of Justice

n the safety world, where most construction activities are rigidly governed by standard procedures, there can be a gray area when erecting and dismantling scaffolds. In certain instances, using conventional fall protection methods during this work can present a greater hazard than alternative safety measures. At nearly 90 years old, the Hall of Justice did not offer many natural tie-off points, and tying-off to the scaffolding presented its own risk: if a tied-off

worker falls, the entire scaffold structure in" to the rails between the next set of could collapse.

Clark and subcontractor Vertical Access faced this fall protection challenge while pre-planning the project's scaffold erection. A worker could tie off for the first bay of the scaffold tower, but this approach would create a greater hazard at a higher elevation, as a fall could collapse the entire scaffold structure. Not tying off at higher levels, however, meant workers would have to "plug

scaffold frames, leaving them too close to the leading edge of the planking.

To address this safety challenge, Clark Senior Superintendent Mark Morgan, Safety Manager Rick Retiz, and Vertical Access owner Mike Martinez collaborated on a simple, but effective solution: a sliding end-rail system that hooked onto the existing guardrails on both sides of the scaffold platform. The end-rail slid forward along the side

uls and stopped just before the ne frame, providing 100 percent fall protection. Mike Martinez sketched the idea and had his yard fabricate a prototype that was tested on site. After making some minor adjustments, the team then ordered several sliding devices for the project. This innovation allowed workers to safely and efficiently place their next set of rails through openings in the endrail system without a fall exposure at the leading edge.

men were able to safely complete

ork on the exterior of the buildin

Small Business Success Helps Entrepreneur Serve His Country

the Department of Veteran Affairs' Compensated Work Therapy (CWT) program. Through the CWT, he has hired scores of service-disabled veterans who are eager to re-enter the workforce and give back to their country. With project contracts that can last three or four years, the work provides veterans steady employment and eases their transition back to civilian life and the workforce. Veterans currently comprise more than 60 percent of Knight Solutions' workforce.

"I know what it's like when your military career ends suddenly," says Kevin "You want to keep on serving your country, but can't do it the same way. Knight Solutions gives me a sense of purpose and our veteran employees another way to serve their country."

As Knight Solutions approaches its 10th anniversary, Kevin has led the company right where he wants it, both in terms of revenue and workload. He has avoided

"The value of the Strategic Partnership Program hit me during my first contract at Quantico National Cemetery. I was the prime contractor and needed to perform the sod installation. I followed the subcontractor training from the program, which saved me a lot of money. The original subcontractor did not fulfill their contract and my only protection was my subcontractor agreement - which I learned how to write during the program."

cemetery restoration and maintenance contracts. In 2009, Knight Solutions' revenue was \$17,000. The following year, revenue topped \$1 million. Today, the company has more than 120 employees working on contracts in 15 different states. And, as important as the success of his company is, Kevin is equally proud of how his company has found it.

decisions that I've had to make." To this

dav. Kevin admits, he still uses contract

in his business dealings.

language he learned during the program

With a greater handle on business

management, Kevin began to grow Knight

Solutions, focusing primarily on national

Maintaining the country's national cemeteries satisfies Kevin's desire to serve his country, as well as help his fellow veterans. When recruiting new employees for a project, Kevin turns to the pitfalls of early success by holding true to his belief in managing growth, performing work consistently, and focusing on client service. These are the virtues that he shares with new entrepreneurs. While Knight Solutions is still a small business, Kevin's experience and success has made him a trusted mentor to emerging companies. "Most important of all," he says, is to "enjoy what you are doing." One of the greatest keys to his success, he admits, is that "I love what I do everyday."





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earning an MBA from the University of Cincinnati and landing a position with General Motors.

Four years later, Kevin relocated to Northern Virginia to work in business development for Rehau, a polymer parts manufacturer for the automotive industry. Working directly with the firm's CEO for a decade, Kevin admits that this experience is where his true business training began. During this time, he began market research for his own endeavor. In 2005, he took advantage of the local housing boom and founded Knight Solutions - general contracting company. Despite having little construction experience, Kevin saw the revenue potential in the industry and solicited help from his brothers in the early stages of the company.

After a few years performing various home renovations, Knight Solutions turned a corner in 2008: the company received a Patriot Express Loan through the Small Business Administration; Kevin's market research indicated a specific need for maintenance at national cemeteries; and he met an employee from Clark subsidiary Metro Earthworks. The loan allowed Kevin to dedicate himself to his business, the market research led him to discover a new way to serve his country, and the connection with Clark helped his company grow.

Shortly thereafter, Metro Earthworks awarded Knight Solutions a small piece of infrastructure construction on the NGA Campus East project in Fort Belvoir, Va. Kevin hired six employees to perform the work and regularly met with Metro Earthwork's project team to learn the fundamentals of project management. Around the same time, two maintenance projects at national cemeteries came up for bid. Knight Solutions won both and set out to raise and straighten headstones at Winchester National Cemetery and Quantico National Cemetery.

With this early success, Kevin faced a situation common to the small business owner: he could no longer manage the company while running its day-to-day operations. Knight Solutions soon hired a field operations manager, which allowed Kevin to focus on the company's management and future.

Through Metro Earthworks, Kevin met Wes Stith, Clark Vice President and a leader in the company's Subcontractor Development Group. With Wes' encouragement, Kevin participated in Clark's 2009 Strategic Partnership Program where, he says, he truly learned the things critical to the day-to-day operations of a company. The program, with lessons in bonding, risk allocation, and negotiating, taught Kevin how to protect his company as it grew. Despite having a master's degree, Kevin jokes, "I did not learn anything [in school] compared to what I learned in the Strategic Partnership Program, especially when it comes to real life, real business

ver since he was a young - man, Kevin Knight dreamed of serving his country. Thirty years ago, he imagined himself a career serviceman in the United States Army, but a sudden injury ended his military career. After launching a new career in the private sector, Kevin has been able to realize his dream in a different way. As President and CEO of Knight Solutions, a Service Disabled Veteran Owned Small Business, and graduate of Clark's Strategic Partnership Program, Kevin has found success and fulfillment through hiring fellow veterans and

In 1987, Kevin graduated from high school and joined the Army with a simple plan. "My goal was," he explains, "to become a commissioned officer, retire, and live the good life." But a severe eye injury sustained during a routine training mission two years later left him with a medical discharge and decisions on how to spend the rest of his life.

maintaining and beautifying national

cemeteries and other institutions.

After working at the same Norfolk, Va., shipyard as his father, Kevin used the GI Bill to become the first in his family to attend college. He graduated from Norfolk State University magna cum laude, with degrees in business and sociology before



ALLABOARD! Iconic Gateway to Southern California Makes its Debut

An iconic new structure in Anaheim is redefining travel in Southern California while serving as a model of innovation in the design and construction of transit centers. The Anaheim Regional Transportation Intermodal Center (ARTIC) opened in December to serve Orange County's three million residents and 40 million annual visitors. Clark led construction of the 67,000 square-foot terminal, which unites 10 different modes of transportation on a site between Angels Stadium and the Honda Center.

Though it resembles a grand 19th century rail station, ARTIC's design and construction required some of the industry's most modern techniques to complete. The terminal's signature shell is composed of a curving steel structure covered with ethylene tetrafluoroethylene (ETFE). Utilizing more than 10,000 threedimensional geopoints generated by the design team's custom modeling program,

Clark developed a complex, three-dimensional model of ARTIC's catenary curving structure. This model allowed the team to resolve any conflicts virtually and coordinate the extremely tight tolerances, often just millimeters.

In addition to building ARTIC's iconic terminal, Clark led the project's civil components, including constructing a two-sided rail platform, replacing a

railroad bridge, excavating baggage and pedestrian tunnels, adding a pedestrian concourse bridge, widening the main entrance road, and preparing parking areas for 1,000 vehicles. All work occurred adjacent to or beneath operating rail

traffic and was carefully coordinated to not impact day-to-day travel activities.

Anticipated to earn LEED Platinum certification, ARTIC is one of the most sustainable facilities of its kind in the world. Most notably, ARTIC uses a combination of radiant floor heating and jet diffusers along soffit areas to cool only the first 12 to 15 feet off of the building's

Extensive Planning, Precise Execution

Building ARTIC's infrastructure just feet from active rail operations required intense planning and close coordination between Clark and its subcontractors. The team had just six 52-hour weekend windows when rail operations shifted to a single rail to replace an existing railroad bridge and excavate baggage and passen ger tunnels. To construct the tunnels, the team took one rail line out of service and excavated down 15 feet before setting 4,500-pound precast tunnel sections in place. Then, before the Monday morning commute began, the team waterproofed, backfilled, and put the rail back in place.

To successfully perform the work, Clark relied on Plan/Do/Check/ Adjust (PDCA), a Lean Construction technique. The team spent weeks pre-planning with trade partners, developing hour-by-hour schedules. As each 52-hour weekend approached, the work was broken down further, into 15-minute increments. As the work was being completed, the team continued to check work in place against the plan. Following each weekend's activity, the team then met with its trade partners to determine how the operation could be improved and adjusted. The team's meticulous planning paid off; by the sixth weekend, the team finished work 20 hours ahead of schedule - a 30 percent improvement.

floor line. At a higher elevation, glass louvers allow natural air flow which, along with the frit pattern of the ETFE pillows, maintain a cool temperature in ARTIC's unconditioned space. This innovative cooling system significantly reduces ARTIC's energy consumption.

Parsons Brinckerhoff, Los Angeles is the managing architect and HOK, Los Angeles, is the design architect. Project partners include STV, Irvine, Calif., construction manager; Buro Happold, Los Angeles, MEP engineer; Thornton Tomasetti, Los Angeles, structural engineer; and Group Delta Consultants, Irvine, Calif., testing and inspections consultant

ARTIC by the numbers

200.000 square feet of ETFE roof

geopoints mapped to precisely

330 daily boardings expected at the new facility

steel chairs supporting the ETFE gutter system

.700 programmable LED lights

400 full penetration welds on the

50

percent reduction in energy consumption due to sustainable design

different modeling platforms to complete virtual design and construction



Clark Proves Food and Sand Can Mix for a Good Cause

No one wants sand in their food, but what about food in the sand? That's how our Highland Hospital project team approached the Leap Sandcastle Building Contest at Ocean Beach in San Francisco. This annual competition is a popular fundraiser for Leap, a local organization that provides art education programs for Bay Area public school students.

Clark's team included project partners SmithGroup and Ratcliff, as well as fourth grade students from Oakland's Hillcrest Elementary School. Together, the volunteers filled their 20-foot-by-20-foot space with creations inspired by the theme "Food, Glorious Food," including pizza and burgers. Clark's team raised more than \$13,000 for Leap; the overall event raised \$300,000.

Clark Lends Support to Team River Runner

n October, Team River Runner, an organization that supports wounded military personnel recovering from injuries, held its 10th annual D.C. Biathlon, a competitive fundraiser that includes a one-mile paddle on the Potomac River and a three-mile run or handcycle on the nearby Capital Crescent Trail. A month before the race, Clark sponsored a fundraising luncheon for the organization. By selling sponsorships of the event's boats, Clark and local subcontractors raised more han \$200,000 to benefit the group.

The day of the biathlon, several Clark volunteers also helped set up the 75 sponsor boats and organize the course. In all, 137 people participated in the biathlon in Adaptive and Non-Adaptive groups.





Since 1991, the Jefferson House has provided residential support for homeless men transitioning from treatment and recovery programs to independent living. While the transitional program, managed by the Community Ministries of Rockville (CMR), has thrived in serving hundreds of men in Montgomery County, Md., the Jefferson House facility, originally built in 1869, was in need of a helping hand.

Lynn Arndt, Deputy Director of CMR, reached out to Clark's Steve Hughes for assistance in renovating the Jefferson House's kitchen. Senior Superintendent Hale Chopp met with the CMR staff to define their needs, developed a layout for the new kitchen, and ordered cabinets, counters, and appliances. Hale then recruited support from local subcontractors, including M.C. Dean, Green Mechanical, Cooper Materials, and BPFE, as well as Clark employees, family, and

friends to help finish the renovation. The Mayor of Rockville joined CMR executives and Rockville United Methodist Church staff in the ceremonial demolition of the kitchen; a team of volunteers completed the demolition by the end of the day. Over the course of the next week, Clark volunteers delivered the brand new kitchen by installing new utilities, cabinets, counters, flooring, custom exterior wood doors, appliances, and a fire suppression system.

"Words cannot express how grateful we are for the support of Clark. Never did we dream of the generosity and overwhelming response we received from a simple phone call. The residents of the Jefferson House now have a beautiful kitchen thanks to Clark and their wonderful employees," said Lynn Arndt, Deputy Director, Community Ministries of Rockville.



LA Courthouse Hosts Next Generation of Engineers for Trades Day

This fall, more than 130 high school students in the ACE Mentor Program gathered at the LA Federal Courthouse project site in downtown Los Angeles for the LA Trades Day program. The secondever event of its kind, LA Trades Day exposes interested students to careers in the construction trades through a day of hands-on learning.

The day began with a safety orientation and an overview of the LA Federal Courthouse. Only seven of the building's 10 steel levels are currently in place, which gave the students a up-close look

at the project's structural elements. The students were then divided into groups for a hands-on learning circuit. With the help of the project's subcontractors, the aspiring builders rotated through stations: finish carpentry, masonry, drywall, framing, irrigation, HVAC, and rebar. In addition to learning about each trade, the students talked with Clark employees, union business agents, and project foremen to learn more about the industry and the career opportunities available to them.

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8 Superstructure

Employees Help Bring Smithsonian's Facescape Portrait to Life

This fall, company employees partnered with the Smithsonian Institution and the National Park Service to bring artist Jorge Rodriguez-Gerada's sixacre Facescape composition to life on the National Mall. Teams from Shirley and Metro Earthworks removed the top level of soil and grass before covering the area with 2,000 tons of sand to use as the background. Fifteen Clark employees then used special GPS surveying equipment to plot the 8,400 points that make up the portrait. With the points in place, crews deposited 800 tons of soil on site, which dozens of company volunteers shaped and manipulated into the finished work of art.

Rodriguez-Gerada's Facescape was unveiled on October 4 and was on display throughout the month.



S2N Pitches in at So Others Might Eat

Each year, So Others Might Eat (SOME) prepares and distributes holiday gift packages for thousands of underprivileged men, women, and children in the Washington, D.C., area. Throughout the fall, SOME collects decorated shoeboxes and donations of toiletries, gifts, and gift cards for their annual program.

In December, as SOME's donation deadline approached, S2N Technology Group employees volunteered to sort through the donated items and inspect the boxes. Each gift box was customized for an adult man or woman, or a child. S2N's eight volunteers ensured that each box was filled with the proper contents before it went out the door.



Mid-Atlantic Region Tackles Community Improvement Project

For more than two decades, Clark volunteers have participated in the District of Columbia Building Industry Association's (DCBIA) Community Improvement Day. This annual event unites the local construction community to renovate and rehabilitate the city's parks, playgrounds, and recreation centers. This year's effort to revitalize the Dwight A. Mosley Sports Complex and replace its playground was the DCBIA's largest endeavor of the past 22 years. Though the Community Improvement Day event was in late September, Clark employees helped the organization prepare months in advance, coordinating with a playground builder to demolish the facility's existing playground, removing 50 cubic yards of mulch and sod, and pouring over 100 new footings. The team also dug underground utility pits for water, electric, and irrigation.

On Community Improvement Day, more than 50 Clark employees joined hundreds of volunteers to complete the sports complex's transformation. The grounds were divided into seven zones, each with a unique improvement challenge. Clark tackled zone two - the project's largest component - and completed installation of the new, code-compliant playground complete with a swing set, a see-saw, and climbing wall. The volunteers also placed over 400 cubic yards of mulch to edge the play area, installed 300 feet of steel edging, and poured 80 tons of stone base and dust for access paths.

Atkinson Team Gives New Meaning to Jobsite Cleanup

Since last year, an Atkinson project team has been reconstructing the I-15/I-215 Devore Interchange in Southern California. Over the past

few months, the team noticed that litter and debris had been accumulat ing all around their project site. The interchange they are expanding and reconfiguring is the main access road to a nearby event facility. As the summer event season wound down, the area around the Devore Interchange grew unsightly and unhealthy.

The project team partnered with the city of Devore and the local community to host a beautification day. Afte a day of hard work on the jobsite, they switched gears and picked up the trash After four hours, they had accumulated more than 50 bags of garbage.







As I listened to the compelling lectures and walked the exhibit hall of this year's Greenbuild Conference in New Orleans, I realized that our industry is at a tipping point. For the first time, sustainable construction is equally as focused on a building's end-user as it is with the structure itself.

For the past two decades, the sustainable movement, as well as green building standards, focused largely on increasing efficiencies and conserving resources. This was evident in a LEED Rating System that included credits for alternate transportation or using recycled and locally-sourced materials. Though there were also credits for indoor air quality, increased ventilation, and daylighting, newly unveiled standards seek to further protect and enhance the human experience, and health, and wellness.

The largest example of this market transformation is LEED v4, which shifts emphasis away from the simple conservation and preservation of materials and onto environmentally-friendly materials with transparent manufacturing processes. This change doesn't just seek to preserve the environment where materials are harvested, but also the environment where those materials will be installed.

Human health and wellness was a hot topic in New Orleans. One of Greenbuild's three, day-long summits was devoted to materials and human health. The summit united designers, builders, engineers, and manufacturers to discuss how to optimize buildings, building products, and human and environmental health.

Immediately preceding Greenbuild was the International Well Building Institute's (IWBI) 2014 Symposium, which was well-attended by the building community. The week also marked the public debut of the group's WELL Building Standard 1.0. An evidence-based standard, the WELL Building Standard sets performance requirements for commercial, residential, and institutional projects in seven categories: air, water, nourishment, light, fitness, comfort, and mind. The IWBI and the Green Building Certification Institute have been collaborating on how LEED and WELL work together and on third-party certification efforts.

The building industry has made tremendous strides in the past 20 years. Sustainable practices like construction waste recycling and reusing building materials have become commonplace on job sites. The challenge ahead is to design and construct with an emphasis beyond the built environment, making our cities and infrastructure truly sustainable.



Fulya Kocak, Clark's Director of Sustainability, was named a 2014 LEED Fellow by the U.S. Green Building Council (USGBC). During this fall's Greenbuild conference, Ms. Kocak became one of 48 Fellows recognized for their exceptional contributions to the green building community, as well as for their significant achievements among LEED Professionals.



Jesse Rice Promoted to Vice President of Safety

Clark Construction Group is pleased to announce that Jesse Rice has been promoted to Vice President of Safety. In this role, Mr. Rice will assume strategic and day-to-day

responsibility for the company's Safety Department. Working closely with our regional safety directors, Mr. Rice will leverage his extensive construction experience to better integrate Clark's safety and operations efforts, with a focus on making safety a key component of constructability planning.

Mr. Rice joined Clark in 1997 as a field engineer on two office buildings in Chantilly, Va., TASC at Westfields and Scitor at Westfields. He then transitioned into the Corporate Estimating Department. In 2001, Mr. Rice returned to the field as a project manager on the Georgetown University Southwest Quadrangle. While in that role, he also worked on secure projects and the C-5 Conversion program in Martinsburg, WV.

Most recently, as project executive, Mr. Rice was responsible for multiple federal, secure, and mission critical projects, including NGA Campus East, the South Campus Electrical Utility Plant, White House Visitor Center Rehabilitation, Power Loft, B-70, and the NGA Technology Center Third Floor Build-Out.

Mr. Rice has a bachelor's degree in civil engineering from the University of Virginia. He is a DBIA designated design-build professional, a Safety Trained Supervisor, and he has an U.S. Army Corps of Engineers Construction Quality Management certification.



Kellie Gurwell Promoted to Vice President

Shirley Contracting is pleased to announce that Kellie Gurwell has been promoted to Vice President.

Ms. Gurwell joined Shirley in 1997 and assisted with numerous administrative and operations tasks. In 2000, she became responsible

for Shirley's human resources efforts and, in the years since, has become an integral part of day-to-day operations. In addition to her human resources responsibilities, Ms. Gurwell also supports Shirley's safety, risk management, legal, and office services efforts. She works closely with the company's operations teams on manpower utilization and facilitates operations meetings.

Ms. Gurwell is a member of the Society of Human Resource Management and serves on the Board of Directors of Voice for a Second Chance.

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