

THE 2020 JLT BUILD AMERICA AWARDS

WILL RECOGNIZE GENERAL AND SPECIALTY
CONTRACTORS WORKING AS PRIME CONTRACTORS
FOR PROJECTS COMPLETED BETWEEN NOVEMBER
1, 2018 AND NOVEMBER 1, 2019. FOR 2020 JLT BUILD
AMERICA AWARDS INFORMATION, INCLUDING
DEADLINES, CRITERIA, APPLICATION MATERIALS,
AND DETAILS REGARDING THE ELECTRONIC
SUBMISSION PROCESS.

PLEASE VISIT WWW.AGC.ORG/AWARDS.



MARVIN M. BLACK AWARD

SAN FRANCISCO - OAKLAND BAY BRIDGE EAST SPAN MARINE FOUNDATIONS REMOVAL, PHASE 2

> Kiewit/Manson, AJV San Francisco/Oakland, Calif.

BUILDING UNDER \$10 MILLION NEW AUSTIN BY ELLSWORTH KELLY

Linbeck Group, LLC Austin, Texas



BUILDING UNDER \$10 MILLION RENOVATION

STEPHEN AND PETER SACHS
MUSEUM RENOVATION

Tarlton Corporation St. Louis, Mo.

BUILDING NEW \$10 TO \$75 MILLION

NATIONAL VETERANS MEMORIAL

AND MUSEUM

Turner Construction Company Columbus, Ohio



BUILDING RENOVATION \$10 TO \$75 MILLION U.S. CAPITOL EXTERIOR STONE AND METAL PRESERVATION, NORTH EXTENSION

Grunley Construction Company, Inc. Washington, D.C.

BUILDING NEW \$76 TO \$125 MILLION INTERNATIONAL SPY MUSEUM

Clark Construction Group, LLC Washington, D.C.



BUILDING RENOVATION \$76 TO \$125 MILLION

MUSIC HALL REVITALIZATION

Messer Construction Company Cincinnati, Ohio BUILDING OVER \$126 MILLION NEW OR RENOVATION

COOK CHILDREN'S MEDICAL CENTER - SOUTH TOWER

Linbeck Group, LLC Fort Worth, Texas CONSTRUCTION MANAGEMENT UNDER \$99
MILLION NEW

BANNER UNIVERSITY MEDICAL CENTER TUCSON NORTH - NEW OUTPATIENT CENTER

Hensel Phelps Tucson, Ariz.



CONSTRUCTION MANAGEMENT UNDER \$99
MILLION RENOVATION

BRIGHAM AND WOMEN'S HOSPITAL,
NEWBORN INTENSIVE CARE UNIT (NICU)
EXPANSION AND RENOVATION

Walsh Brothers, Incorporated Boston, Mass.

CONSTRUCTION MANAGEMENT OVER \$100 MILLION NEW OR RENOVATION GATHERING PLACE

Crossland Construction Company, Inc. Tulsa, Okla.



DESIGN-BUILD BUILDING UNIVERSITY OF NOTRE DAME CAMPUS CROSSROADS PROJECT

Barton Malow Notre Dame, Indiana

FEDERAL & HEAVY NEW PROJECT P-518, X-RAY WHARF IMPROVEMENTS

Healy Tibbitts Builders, Inc. Apra Harbor, Naval Base, Guam

FEDERAL & HEAVY RENOVATION ABSECON INLET COASTAL STORM DAMAGE REDUCTION STRUCTURES AND RECONSTRUCTION OF THE ATLANTIC CITY BOARDWALK

J. Fletcher Creamer & Son, Inc. Atlantic City, N.J.



HIGHWAY & TRANSPORTATION UNDER \$10 MILLION NEW

CAMPO CREEK BRIDGE REPLACEMENT

Flatiron

San Diego, Calif.

HIGHWAY & TRANSPORTATION UNDER \$10 MILLION RENOVATION

REGIONAL TRANSIT AUTHORITY CEMETERIES TRANSIT CENTER

Boh Bros. Construction Co., LLC New Orleans, La.



HIGHWAY & TRANSPORTATION NEW TEXRAIL COMMUTER RAIL

Archer Western

Tarrant County, Texas

HIGHWAY & TRANSPORTATION RENOVATION

US 34 PERMANENT REPAIRS PROJECT

Kiewit Infrastructure Co Loveland, Colo.



UTILITY INFRASTRUCTURE NEW SUSTAINABLE WATER INITIATIVE FOR TOMORROW (SWIFT) DEMONSTRATION FACILITY

Crowder Construction Company Suffolk, Va.

UTILITY INFRASTRUCTURE RENOVATION OROVILLE DAM TRANSMISSION LINE REROUTE

Barnard Construction Company, Inc.
Oroville, Calif.



CONSTRUCTION MANAGEMENT CIVIL BROADWAY BRIDGE REPAIR

Hamilton Construction Co.

Portland, Ore.

DESIGN-BUILD CIVIL NORTH TARRANT EXPRESS 35W

Ferrovial Agroman US Corp./Webber Fort Worth, Texas



ENVIRONMENTAL ENHANCEMENT FOUR CORNERS SCR PROJECT

Sundt Construction, Inc. Farmington, N.M.

INTERNATIONAL NEW OFFICE ANNEX / U.S. EMBASSY, MOSCOW, RUSSIA

Caddell Construction Co. Moscow, Russia



SPECIALTY CONTRACTORS BRAZOSPORT WATER AUTHORITY WATER TRANSMISSION PIPELINE

Persons Service Corp Rosharon, Texas

SPECIALTY CONTRACTORS LAMAR UNIVERSITY - CAMPBELL AND MONROE HALL DORMITORY RENOVATIONS

Southeast Texas Drywall, LLC Beaumont, Texas

37TH ANNUAL 2019 JLT BUILD AMERICA AWARDS

Tuesday, April 2 | 12:30 PM | AGC's 100th ANNUAL CONVENTION | Denver, CO

WELCOME

Eddie Stewart, 2018 AGC President

SPONSOR'S MESSAGE

Joe Charczenko
Practice Leader, Construction
JLT Specialty USA/Construction Risk Partners

SPEAKER

Curt Steinhorst, Author & Generational Expert

2019 AWARDS CEREMONY

Merit Awards
AGC Marvin M. Black Partnering Excellence Awards
JLT Build America Awards

GRAND AWARD PRESENTATION

JLT Build America Grand Award

WELCOME... ...TO THE 2019 JLT BUILD AMERICA AWARDS LUNCHEON.

JLT and Construction Risk Partners are proud to support the Association of General Contractors (AGC) and the 2019 Build America Awards.

The AGC, its member companies, and the Build America Awards represent excellence in the construction industry. Today, we recognize the innovation, design, planning, and delivery of these projects, which have resulted in structures that will be admired for decades to come. On behalf of all of us at JLT and Construction Risk Partners, we would like to extend our sincere congratulations to all of the organizations and individuals who participated.

The complexities and ingenuities of the Build America Awards projects are indicative of the changing construction landscape. New technology, alternative delivery methods, an evolving workforce, advancements in automation, and emerging risks remain an ongoing challenge. As an organization, we are proud to partner with the AGC and its member companies in developing and delivering global construction surety and risk management capabilities.

We would also like to thank our clients for their continued trust and support. As an organization, we remain committed to delivering best-in-class service our clients, and we look forward to future collaboration.

Best regards,
Joe Charczenko
Practice Leader, Construction
JLT Specialty USA/Construction Risk Partners

About JLT Specialty USA

JLT Specialty USA is the US platform of the leading specialty business advisory firm, Jardine Lloyd Thompson Group. Our experts have deep industry and product experience serving leading U.S. and global firms. Our key to client success is our freedom to be creative, collaborative, and analytical while challenging conventions, redefining problems, creating new analytical insights, and exploring new boundaries to deliver solutions for each client's unique business and risks.

For further information about JLT, please visit our website www.jltus.com and follow us on LinkedIn at JLT Specialty USA and Twitter @JLTSpecialtyUSA.

JLT BUILD AMERICA AWARDS

THE CONSTRUCTION INDUSTRY'S "OSCARS"

For over 30 years, the JLT Build America Awards have been given in recognition of excellence in the construction industry. These prestigious and highly coveted awards are given to projects selected by a panel of a contractor's toughest critics — other contractors. Judges look for projects that have excelled in the following areas:

- State-of-the-art advancement
- Excellence in project management
- Innovation in construction or use of materials
- Contribution to the community
- Superiority in client service

- Rising to the challenge of a difficult job
- Sensitive treatment of the environment and surroundings
- Partnering excellence

We are proud to recognize 12 Merit Award winners and 26 JLT Build America Award winners representing some of the best new and renovation construction projects this year in the following categories: Building Under \$10 million; Building \$10 million to \$75 million; Building \$76 million to \$125 million; Building Over \$126 million; Construction Management; Construction Management Civil; Design-Build Building; Design-Build Civil; Environmental Enhancement, Federal & Heavy construction; Highway & Transportation construction; Utility Infrastructure construction; Specialty Contractor, and the Marvin M. Black Partnering Excellence Award.

Small and large projects are considered equally and judged on the same criteria. AGC urges all members to consider current projects for next year's competition. For 2020 JLT America Awards information, including deadlines, criteria, application materials, and details regarding the electronic submission process, go to www.agc.org/awards.

CONGRATULATIONS TO ALL WINNERS AND ENTRANTS OF THE 2019 JLT BUILD AMERICA AWARDS!

BUILDING NEW \$10 TO \$75 MILLION

288 Pacific

Swinerton

San Francisco, Calif.

BUILDING NEW \$76 TO \$125 MILLION

Bay Area Medical Center Replacement Hospital, Medical Office Building and Cancer Center The Boldt Company Marinette, Wis.

BUILDING NEW OR RENOVATION OVER \$126 MILLION

Carnegie Mellon University David A. Tepper Quadrangle PJ Dick Incorporated Pittsburgh, Pa.

BUILDING NEW OR RENOVATION OVER \$126 MILLION

Midtown Center
Clark Construction Group
Washington, D.C.

BUILDING RENOVATION UNDER \$10

C.W. Davis Middle School Renovations Carroll Daniel Construction Flowery Branch, Ga.

DESIGN-BUILD CIVIL

SunRail Phase 2 South Commuter Rail System Herzog Contracting Corp. Orlando, Fla.



FEDERAL & HEAVY NEW

Replace Fuel Pier Nova Group, Inc. San Diego, Calif.

HIGHWAY & TRANSPORTATION NEW

SouthEast Connector Phase II Granite Construction Company Sparks and Reno, Nev.

UTILITY INFRASTRUCTURE NEW

Museum of Fine Arts Houston Bissonnet St. Pedestrian Tunnel AR Daniel Construction Services Houston, Texas

INTERNATIONAL

U.S. Embassy
BL Harbert International
London, United Kingdom

PARTNERING EXCELLENCE

R.M. Clayton WRC Headworks Improvements Western Summit Constructors, Inc. Atlanta, Ga.

PARTNERING EXCELLENCE

US-89; MP 363.77-364.79 Staker Parson Companies Sandy City, Utah

SFOBB EAST SPAN MARINE FOUNDATIONS REMOVAL PROJECT PHASE 2: E4-E18 DEMOLITION

Kiewit/Manson, AJV San Francisco/Oakland, Calif.

Kiewit/Manson developed a plan to save an entire vear and \$28 million on the demolition of fifteen in-water reinforced-concrete foundations remaining from the original Bay Bridge by partnering with Caltrans and a host of regulatory agencies. The foundations totaled 41,400 cubic yards of reinforced concrete and had to be removed from above the water surface to just below the mudline on the Bay floor. The team used mechanical methods above the water line, and explosive blasting below the water surface, which required post-blast underwater inspection, verification, and debris clean-up. The project team's built strong partnerships with many stakeholders to be able to complete the job in two years instead of three. These partnerships made it easier for the team to overcome permitting obstacles so they could extend the seasonal blast window and blast multiple piers at once instead of one at a time. They also held all members of the team to specific dates and deliverables, which they reviewed at weekly coordination meetings. The team completed the project in 98,124 man-hours without a recordable injury.

AUSTIN BY ELLSWORTH KELLY

Linbeck Group, LLC Austin, Texas

Linbeck built the only building executed by the award-winning artist Ellsworth Kelly, which also happens to be her last signed work. In addition to the challenges presented by the unique shape of the building, the Linbeck team had to document every aspect of the project so the artist could approve during the extended pre-construction phase, resulting in more than 150 sheets and multiple 3D models, renderings, and mockups. At the same time, the Linbeck team was faced with building a structure that was safe for inhabitants and met the exacting tolerances required by the artist. The location of the building was an additional challenge, because of decades of undocumented infrastructure at the site and the fact it was near a significant pedestrian crossroads on the active University of Texas campus. The completed artwork - featuring Spanish limestone, thirty-three hand-blown art glass windows, pure black and white granite art panels, and an 18-foot tall reclaimed redwood sculpture serves as a place of refuge for the community and mecca for art patrons.

STEPHEN AND PETER SACHS MUSEUM RENOVATION

Tarlton Corporation St. Louis, Mo.

Tarlton Corporation completed an \$8 million restoration of a pre-Civil War building, formerly an herbarium and scientific research facility, that had been closed to the public for the past 35 years. The Tarlton team built a new architectural addition. while restoring the dramatic two-story atrium in the main exhibit hall featuring a precise recreation of a botanical mural on the ceiling. The team uncovered painted portraits of three eminent botanists hidden above a plaster drop ceiling, requiring them to reconfigure plans to install mechanical systems in the floor above. As the museum is listed on the National Register of Historic Places, the design team worked in accordance with preservation principles outlined by the Secretary of the Interior's Standards for the Treatment of Historic Properties and the U.S. National Park Service. The new 2,000 square foot contemporary entryway offers modern conveniences to visitors, while the main floor expansion allows for new exhibit space.

NATIONAL VETERANS MEMORIAL AND MUSEUM

Turner Construction Company Columbus, Ohio

Turner Construction built the nation's first veterans memorial and museum to stage exhibits from all military branches. The 55,000 square foot facility features minimalistic interior features and a complex exterior curtain wall. But the custom cast-in-place concrete arch superstructure is the building's defining feature. This challenging design included a distinct geometric curve shape that limited design options, as "out-of-plane" geometry is extremely rare and challenging for cast-in-place, which uses standard formwork system designs. The superstructure is 55,000 square feet consisting of three concentric rings up to 60 feet tall and 300 feet in diameter. An integrated walking ramp connects the front door to the green roof amphitheater. The Turner team worked with the building's designers and structural engineer to develop a three-dimensional virtual model and printed scale model, all while coordinating daily on the survey and layout. The team then developed a highly-specialized concrete mix, as well as a formwork and installation method to meet the artistic architectural goals of the design.

U.S. CAPITOL EXTERIOR STONE AND METAL PRESERVATION, NORTH EXTENSION

Grunley Construction Company, Inc. Washington, D.C.

Grunley worked to preserve the facade of the U.S. Capitol building during this \$15.5 million project. The Grunley team cleaned and restored the stone façade using innovative masonry conservation techniques to repoint and repair the building's north exterior. They also replicated more than 300 distinguished elements of the building, such as carved marble brackets, rosettes, and capital leaves. The team performed a large-scale laser ablation and consolidation on the entire ornamental carved decoration, a first for an historic structure in the U.S. This process removed gypsum crusts - dark, hard deposits that are difficult to remove - using a custom dark containment area to protect the integrity of the marble and masonry tools. The laser treatment turns the gypsum crusts into plasma, which vaporizes in the air, and has the added benefit of working entirely without chemicals that could damage stone. Most of the three-year project was performed under conditioned enclosures within the scaffold, under stringent security measures and with frequent changes to the schedule due to federal government activity.

INTERNATIONAL SPY MUSEUM

Clark Construction Group, LLC Washington, D.C.

Clark Construction built a new 140,000-square-foot facility for the International Spy Museum directly on top of the L'Enfant Plaza development. This meant that the Clark team had to retrofit one of the busiest transportation hubs in Washington by reinforcing the plaza and building a complex glass and steel façade system to support the new inverted pyramid-shaped structure. Because equipment would not fit in the existing parking garage, the team demolished the slab-on-grade structure to create an additional two feet of space to drive the micropiles. Clark opted to use hollow-bar micropiles, saving six weeks of time and a half million dollars. The new eight-story space includes three main floors of exhibit space, featuring a glass veil, angled facades, and a suspended metal staircase. The enclosed "black box" exhibition space includes a complex system of perforated louvered metal panels. The new museum space also includes offices and event space, as well as a rooftop terrace.

MUSIC HALL REVITALIZATION

Messer Construction Company Cincinnati, Ohio

Messer Construction undertook the revitalization of this world-renowned music hall, which had been placed on the National Trust for Historic Preservation's list of America's 11 most endangered historic places. The construction team had just 18 months and \$100 million to restore the Victoriangothic building to its former glory. Messer worked on both the inside and outside of the building, including refreshing and stabilizing the exterior walls and more than 100 windows. Inside, the team reconstructed the main performance space to improve acoustics. Due to the importance of the hall to the people of Cincinnati, the Messer team worked to keep the community involved, employing city-certified craftsmen from Hamilton County and hosting more than 50 public walkthroughs and opening events. While similar projects typically take more than 28 months to complete, Messer completed the work in just 16 months and even made sure the facility could host a public dress rehearsal prior to completion.

COOK CHILDREN'S MEDICAL CENTER - SOUTH TOWER

Linbeck Group, LLC Fort Worth, Texas

Linbeck Group improved the efficiency, safety, and capacity of several outdated departments within the hospital by constructing a new, state-of-theart facility that includes specialized operating rooms, a heart center suite, custom, patient-friendly wayfinding, and laboratory suites utilizing clean suite technologies. Due to the many partners in this project, the team eschewed a traditional design process and used Integrated Project Delivery, 4D scheduling, and Lean project management principles. Patients and their families, doctors, staff members. and hospital administrators all were directly involved in the planning process, which required Linbeck to extend the design phase. However, the extended planning allowed the team to identify new ways to accelerate the work and reduce the amount of construction time required. Linbeck finished the project with zero recordable safety incidents during the nearly 180,000 man-hours required.



CONSTRUCTION MANAGEMENT **UNDER \$99 MILLION RENOVATION**

BANNER UNIVERSITY MEDICAL BRIGHAM AND WOMEN'S **CENTER TUCSON NORTH -NEW OUTPATIENT CENTER**

Hensel Phelps

Tucson. Ariz.

Hensel Phelps constructed a three-level multispecialty health center and 1,300-car garage, as well as healing garden as part of its work building the new outpatient center. The team had to fast track the schedule while collaborating with the mechanical, electrical, and plumbing trade partners to meet the firm completion date and keep multiple stakeholders happy. All the while, the team had to cope with changes in scope and other unforeseen issues, such as poor soil conditions and a 30 percent budget reduction. At the same time, the project required nine separate permit packages, which Hensel Phelps submitted as some of the first under the City of Tucson's new electronic document review program. With the tight schedule in mind, Hensel Phelps worked closely with building inspectors to keep the project moving and earned a 100 percent passed-inspection record. In the end, Hensel Phelps delivered a new facility that included specialty clinics for cardiovascular, neurosciences, and dermatology, as well as a top-of-the-line radiation oncology department.

HOSPITAL, NEWBORN INTENSIVE CARE UNIT (NICU) EXPANSION AND RENOVATION

Walsh Brothers, Incorporated Boston, Mass.

Walsh Brothers completed the expansion and renovation of the Newborn Intensive Care Unit within the busy Longwood Medical Area of Boston, above an active Labor, Delivery, and Recovery Unit on the fifth floor of the Brigham and Women's Hospital. The team devised innovative solutions to keep the building weather tight and minimize noise and vibration, while they completed a single-story addition and renovated the sixth floor. The project more than doubled the size of the existing neonatal intensive care unit to 34,000 square feet. Because more than 300 tons of steel had to be erected directly above patients, families, and staff, the team created a first-of-its-kind crash-prevention system, which required a non-rigid platform and required months of design, engineering and customization to complete. The new floor includes a state-of-the-art single-family room care model neonatal intensive care unit, as well as 62 private and semiprivate patient rooms. Thanks to the Walsh team's design revisions and engineering changes, the owner saved \$1.4 million on its initial budget.

CONSTRUCTION MANAGEMENT OVER \$100 MILLION NEW OR RENOVATION

DESIGN-BUILD BUILDING

GATHERING PLACE

Crossland Construction Company, Inc. Tulsa, Okla.

Crossland was selected to take over the construction. of a public park in Tulsa after the original contractor went over budget during the initial demolition phase. Crossland ended up transforming more than 60 acres of flat land adjacent to the Arkansas River into an interactive work of art, meant to connect the people of Tulsa. In addition to a children's playground and expansive green space extending out to the River, Crossland constructed two main buildings that feature a multi-story stone fireplace, grand staircase, and fiberglass canopy. The team made sure to incorporate the natural environment by bringing in trees from all over the country and protecting existing, mature trees already at the site. They planted year-round to maximize growing time and custom-engineered soil to meet the pH needs of the landscape. Despite weather and permitting delays, Crossland completed the project on time and on budget.

UNIVERSITY OF NOTRE DAME CAMPUS CROSSROADS PROJECT

Barton Malow

Notre Dame, Indiana

Barton Malow not only added 800,000 square feet of space to the Notre Dame campus, it strengthened the campus connection to the iconic Notre Dame stadium. That is because the construction team. added new features to the stadium, including a new press box, a brand new 5,200 square foot video scoreboard, wrap-around ribbon boards, improved sound systems and Wi-Fi. The team also renovated O'Neill Hall, Corbett Family Hall, and Duncan Student Center, adding much-needed space to these facilities, including modern meeting rooms, recreational sports areas, performance halls and a music lab. The project covered nearly one million square feet across an active campus, while the college football schedule meant the team had to place special attention to timing and safety. The Barton Malow team coordinated the start of critical components of the project around the football season and academic calendar, allowing for a phased approach, relieving pressure on labor resources and budget.

PROJECT P-518, X-RAY WHARF IMPROVEMENTS

Healy Tibbitts Builders, Inc. Apra Harbor, Naval Base, Guam

The Guam MACC Builders joint venture team expanded and strengthened the 742-foot berthing complex that services the Navy's modern cargo ship fleet, facilitating safe loading and unloading and critical operations in the Pacific Rim. Healy Tibbitts and the rest of the team had to carefully collaborate with the Navy and other stakeholders to complete the project within a tight schedule and comply with strict environmental requirements. While the remote location created logistical issues, the team overcame those issues by training the local Guamanian labor force, engineering new solutions to determine load capacity, and implementing monitoring systems to protect local marine life. The team project included a new sheet pile bulkhead with tie-back system, dredging, pile-supported trestle and mooring dolphin, and new concrete and paving to strengthen the relieving platform area, as well as a new bilge and oily waste system and generator building.

ABSECON INLET COASTAL STORM DAMAGE REDUCTION STRUCTURES AND RECONSTRUCTION OF THE ATLANTIC CITY BOARDWALK

J. Fletcher Creamer & Son, Inc. Atlantic City, N.J.

Following destruction from Hurricane Sandy, Atlantic City's historic boardwalk required replacement and protection from future storms. In cooperation with the Army Corps of Engineers, the Creamer team developed a plan to rebuild more than 2,000 linear feet of boardwalk and construct a steel sheet pile. This work required battling the Atlantic Ocean over the course of three years to place 99,000 tons of stone, supported by 12" thick mattress units, using a sonar surveying system. Creamer used pre-cast concrete, steel sheet pile cap, and pipe outfalls to minimize exposure to the elements. The team also built finger piers 15-feet above the tide line to allow cranes to get out over the water and close to the sheet pile wall. Creamer also arranged to have a safety supervisor and safety consultant report to the Army Corps and the construction project management team each week, and dedicated a quality control manager to the project who conducted pre-construction meetings to minimize rework and review construction procedures.

HIGHWAY & TRANSPORTATION UNDER \$10 MILLION NEW

HIGHWAY & TRANSPORTATION UNDER \$10 MILLION RENOVATION

CAMPO CREEK BRIDGE REPLACEMENT

Flatiron San Diego, Calif.

Flatiron performed an emergency replacement of the Campo Creek Bridge after the original bridge was structurally damaged. Because the team had to fully close Route 94, which serves 2,684 residents of San Diego County daily, Flatiron crews worked round the clock to complete the job on an accelerated schedule. The road was closed for 72 days, the team demolished the old three-span bridge and replaced it with a 58-foot single-span structure over Campo Creek. The Flatiron crew designed a shoring system to support the requirements of the job: preserving live railroad loading, protecting the historic Gaskill Brothers Stone Store Museum, and coping with very poor soil conditions. The team minimized temporary environmental impacts to the surrounding areas, installed flow diversions, and ensured no habitat was removed from the project boundary. With more than 10,000 man-hours, Flatiron completed the work without a single safety incident.

REGIONAL TRANSIT AUTHORITY - CEMETERIES TRANSIT CENTER

Boh Bros. Construction Co., LLC New Orleans, La.

Boh Bros. Construction completed an overhaul of the City Park Avenue intersection to create safer conditions for pedestrians and drivers. The former configuration required streetcar riders to transfer to a bus by crossing a busy intersection with no pedestrian signals. The team completed the work in just four months despite the fact the project was located in a high traffic area. While Boh Bros. had to shut down the intersection, the traffic problems would have been much worse if they had instead opted to close multiple lanes over an 18-month phased-construction schedule. The team had to work adjacent to historic cemeteries and atop a mass burial site, requiring them to pause several times to assess and relocate remains. Despite these archaeological challenges and several weatherrelated obstacles, the construction team installed new traffic and pedestrian signals, improved the roadway, and added a covered walkway and new bus and streetcar shelters within the tight timeframe and with minimal impact to local businesses.

TEXRAIL COMMUTER RAIL

Archer Western
Tarrant County, Texas

Archer Western Herzog Joint Venture built a new, 27-mile, rail line from downtown Fort Worth to the DFW International airport that includes nine stations in multiple local jurisdictions. The joint venture built 24 bridges and 40 road crossing for the new line. The project team installed or relocated 53,000 linear feet of utilities, constructed 300,000 square feet of walls, and installed 6,000 tons of reinforcing steel. The team coordinated with five active railroads to integrate work activities and conducted community outreach to mitigate disruption to the traveling public, residents, and businesses. Crews worked round-the-clock to meet the project deadlines, while retrofitting two existing stations that remained operational during construction.

US 34 PERMANENT REPAIRS PROJECT

Kiewit Infrastructure Co Loveland, Colo.

Kiewit Infrastructure not only rebuilt more than 26 miles of mountain highway, it also developed a new way of construction that would help this twice-devastated area withstand future natural disasters. Kiewit's goal was to make Big Thompson Canyon more resilient to future events, so its team worked closely with more than a dozen federal, state, and local agencies, including the Big Thompson Watershed Coalition. Kiewit reshaped the river channel, allowing the highway and river to function as a system. As Rocky Mountain National Park is a major tourist attraction, the team did most of the work during two off-season closures. Thanks to Kiewit's collaboration and careful planning, they were able to save 18 months from the original schedule.

SUSTAINABLE WATER INITIATIVE FOR TOMORROW (SWIFT) DEMONSTRATION FACILITY

Crowder Construction Company Suffolk, Va.

Crowder Construction built the new demonstration facility as part of a full-scale advanced water treatment and managed aguifer recharge program for the Southeast Virginia region. The broader effort is designed to mitigate sea level rise, reduce local flooding, and safeguard drinking water supply. The Crowder team constructed a 27,750 square foot advanced water treatment and research facility with the capacity to recharge the Potomac aguifer with highly treated water. The facility provides public education and outreach, offering a platform for operator training and process optimization. It will collect 18 months of treatment and aquifer recharge data that will inform full-scale advanced treatment facilities and define future permitting requirements. In addition to constructing the improved storm water facilities and better building access, the Crowder team also made sure the new facility was sustainable by installing solar panels, a rainwater harvesting system, and permeable pavement.

OROVILLE DAM TRANSMISSION LINE REROUTE

Barnard Construction Company, Inc. Oroville, Calif.

Following a season of record snow and constant rain, Barnard Construction Company was called in to prevent a spillway failure at the Oroville Dam that would have endangered 180,000 residents living downstream of the tallest dam in the United States. As part of the project, Barnard had to reroute the Oroville-Table Mountain transmission lines to the other side of Feather River in less than six months. Within a matter of days, the construction team had devised a solution and begun work, rushing materials and equipment. Barnard used specialized trucks and equipment to operate in the sloppy conditions, first relieving pressure on the spillway and then focusing efforts on a permanent reroute. They used a special "Skycrane" helicopter to install large wood poles for two shoofly circuits, in addition to two double-circuit lattice lines. Despite delays, extreme rain, and high temperatures. the team completed the work on schedule.

BROADWAY BRIDGE REPAIR

Hamilton Construction Co. Portland, Ore.

Only five Rall bascule bridges were ever built, and the 100-year-old Broadway Bridge in Portland, Oregon was nearly 50 years overdue for rehabilitation because nobody knows what is involved. The Hamilton construction team took on the challenge, however, and installed four Rall wheels at more than 8-feet in diameter and 88,000 pounds each, all while maintaining river, commuter, pedestrian and cyclist access. They were able to do this by using outside lane closures and protective platforms. The historic bridge presented unpredictable challenges, including seized trunnion shaft collars. Hamilton solved this problem by freezing the inside of the 7,000-pound shaft with liquid nitrogen while heating the collars and removing the trunnion with a custom-built 300-ton gear puller. Hamilton not only installed the four new Rall wheels, but also completed falsework construction, bridge removal, track replacement, and steel erection. Although the project was delayed six months, causing the team to miss three of four scheduled marine closures, they developed a new strategy to save time and complete the four Rall wheel replacements during a single closure in just 30 days.

NORTH TARRANT EXPRESS 35W

Ferrovial Agroman US Corp./Webber Fort Worth, Texas

Not only did Ferrovial Agroman US Corp./Webber increase capacity on a major corridor in Tarrant County, but they improved safety by replacing a left-side exit with right-side combined ramps, allowing for longer merging distances. Worker safety was a top priority during construction as well, which is why the team put in place an aggressive accident prevention program that achieved 8 million manhours without a single life-threatening injury. The joint venture team installed 20 new structures at one major interchange and two new TEXpress Lanes along I-35W. They also built nearly 900,000 square feet of retaining walls while maintaining mobility for the 170,000 motorists who commute along this major corridor each day. While this corridor was formerly ranked sixth on the state's most congested roadways list, it moved down to twenty-third place after the team completed its work. Ferrovial Agroman US Corp./Webber completed the \$1.4 billion, 6.5-mile project on budget and two months ahead of schedule.

FOUR CORNERS SCR PROJECT

Sundt Construction, Inc.

Farmington, N.M.

Sundt installed new selective catalytic reactors at the Four Corners Generating Station, a coal-fired power plant operated by Arizona Public Service. The new environmental system will allow the plant to continue operating, providing more than \$6 billion in economic value over the next thirty years. The plant is located on the Navajo Nation, so Sundt made sure that the workforce for the project was over 80 percent Native American. Sundt also supported local youth and Navajo community initiatives throughout the 2 million-hour project. Using the National Center for Construction Education and Research program, the Sundt team instituted a craft training program, as well as mentoring and Apprenticeship and Development Program to develop new workers' skills. In addition to installing the four selective catalytic reactors - the tallest in North America - the Sundt team also installed four tri-sector rotary air preheaters, two dry sorbent injection systems, and four economizer bypasses.

NEW OFFICE ANNEX / U.S. EMBASSY, MOSCOW, RUSSIA

Caddell Construction Co.

Moscow, Russia

Caddell Construction faced a number of challenges to building a new seven-story, 270,000 square foot high-tech office building within the existing U.S. Embassy compound in downtown Moscow, including harsh winter weather, the congested urban location, and the need to protect nearby historic structures. The team used a new variation on the secant piling system to work within the limited site margins. As the project is a U.S. Embassy, safety and security proved critical. Caddell installed state-of-the-art communications and security technology and protected the health and safety of embassy staff and their families throughout construction. Considering the sometimes strained relations between the U.S. and Russia during some portions of the project, the construction team took special care to be a good neighbor, coordinating deliveries with city officials and rigorously controlling dust and noise. The final project features the finest exterior and interior finishes, including a unique curtain wall system to maximize light without compromising security.

BRAZOSPORT WATER AUTHORITY WATER TRANSMISSION PIPELINE

Persons Service Corp Rosharon, Texas

Persons Service Company installed more than 15 miles of water transmission line under the Brazos River to provide water to Southeast Texas following Hurricane Harvey. When flood waters entered a oncedry plane, the team responded with an innovative approach that maintained the project schedule: they built a road through the water, installed the pipeline, and then removed the road. The team worked in sensitive environmental conditions while maintaining safety on a project that included 22-foot-deep bore pits. Persons delivered nearly 1,000 truck-loads of pipe without disrupting traffic or impacting surrounding property owners. Despite labor shortages and frequent flooding, the team completed the project with no delays in four months.

LAMAR UNIVERSITY CAMPBELL AND MONROE HALL DORMITORY RENOVATIONS

Southeast Texas Drywall, LLC Beaumont, Texas

Over just 85 days, the Southeast Texas Drywall team replaced the floors for, and renovated, 16 three-story buildings, including 500 dorm rooms, on an active campus - sometimes with 100 people working sideby-side. The already tight timeline was complicated by 14 change orders, ten of which added to the scope of work. Southeast Texas Drywall's "safety first" mentality led to the closure of the dormitory while it was under renovation. With several summer camps in progress and the Lamar University student body personnel present, the team had to invest a great deal of time and energy coordinating with residents. In collaboration with sister company Construction Managers of Southeast Texas, the construction team was able to start all trades on time and excel in project management by meeting with all stakeholders to identify any scheduling challenges.





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CATEGORIES

For the first eight categories listed you will be asked to distinguish between new or renovated projects.

Building (under \$10 million)
Building (\$10 million to \$75 million)
Building (\$75 million to \$125 million)

Federal & Heavy
Highway & Transportation
Highway & Transportation (under \$10 million)
Utility Infrastructure

For the following five categories, as well as for the Marvin M. Black Partnering Excellence category, there is no distinction between new or renovated projects.

Building (\$126 or more)

Construction Management Civil

Design-Build Building

Design-Build Civil

Construction Management (under \$99 million)

Construction Management (\$100 million or more)
Environmental Enhancement
International
Specialty Contractors

The 2020 JLT Build America competition is open to general contractors and specialty contractors who are current members of an AGC chapter working as prime contractors for projects completed between November 1, 2018 and November 1, 2019 All submitting companies, including all parties of a joint venture, must be AGC member firms. Membership with the local AGC chapter in the area of the project is highly valued and may merit extra consideration during the judging process.

Excellent. Safe. Innovative. On-Time. These are words AGC contractors strive to achieve and live by every day. They are the same words your fellow construction leaders use to judge the winners of a JLT Build America Award. I encourage each member of the AGC to participate, apply and become a part of the Build America Award program. It is a unique and small set of contractors, contractors defined by excellence, safety, and innovation; all qualities we at JLT also strive to achieve on behalf of our clients. Being acknowledged by your peers with a JLT Build America Award is a proud moment for your construction firm and your project management teams. When the Award application process starts this summer, please consider submitting an application. Application information is available at www.agc.org/awards. See you next year in Las Vegas.





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