THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
AND Alliant INSURANCE SERVICES PRESENT

THE 2017

Alliant BUILD AMERICA AWARDS
THE 2018 ALLIANT BUILD AMERICA AWARDS WILL RECOGNIZE GENERAL AND SPECIALTY CONTRACTORS WORKING AS PRIME CONTRACTORS FOR PROJECTS COMPLETED BETWEEN NOVEMBER 1, 2016 AND NOVEMBER 1, 2017. FOR 2018 ALLIANT 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 PARTNERING EXCELLENCE
I-15 VIRGIN RIVER GORGE BRIDGE NO. 6 CMAR
Mohave County, AZ
Pulice-Wadsworth Brothers Joint Venture

MARVIN M. BLACK PARTNERING EXCELLENCE
NORTHWEST LIGHT RAIL EXTENSION
Phoenix, AZ
Sundt/Stacy & Witbeck

MARVIN M. BLACK PARTNERING EXCELLENCE
NORTHWEST LIGHT RAIL EXTENSION
Twin Falls, ID
Engineered Structures, Inc.

BUILDING UNDER $10 MILLION NEW TRIVILLAGE SELF-STORAGE DOWNTOWN
Columbus, OH
Brexton

BUILDING UNDER $10 MILLION RENOVATION
HUDDLESTON ELEMENTARY SCHOOL RENOVATION
Peachtree City, GA
Carroll Daniel Construction Company

BUILDING UNDER $10 MILLION RENOVATION
WESTPORT PRESBYTERIAN CHURCH RECONSTRUCTION
Kansas City, MO
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CONSTRUCTION MANAGEMENT RENOVATION OVER $100 MILLION
BOSTON UNIVERSITY LAW SCHOOL ADDITION & TOWER RENOVATION
Boston, MA
Skanska USA Building, Inc.

BUILDING RENOVATION $10 TO $99 MILLION
1789 MASSACHUSETTS AVENUE, NW RENOVATION
Washington, DC
Grunley Construction Company, Inc.

BUILDING NEW OVER $100 MILLION
SAN FRANCISCO INTERNATIONAL AIRPORT REPLACEMENT AIRPORT TRAFFIC CONTROL TOWER AND INTEGRATED FACILITIES
San Francisco, CA
Hensel Phelps

BUILDING RENOVATION $10 TO $99 MILLION
CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER/UC HEALTH PROTON THERAPY CENTER
Cincinnati, OH
Messer/Linbeck Joint Venture

BUILDING NEW $10 TO $99 MILLION
NOVARTIS INSTITUTES OF BIOMEDICAL RESEARCH – CAMBRIDGE CAMPUS EXPANSION PROJECT
Cambridge, MA
Skanska USA Building, Inc.

CONSTRUCTION MANAGEMENT NEW BUILDING RENOVATION
WATERBURY STATE OFFICE COMPLEX REDEVELOPMENT
Waterbury, VT
PC Construction

BUILD AMERICA COMPETITION WINNERS
FEDERAL & HEAVY NEW
DESIGN/BUILD UNMANNED AERIAL VEHICLE COMPLEX /
CAMP MACKALL-FORT BRAGG, NC
Fort Bragg, NC
Caddell Construction Co

FEDERAL & HEAVY RENOVATION
MUDDY RIVER FLOOD RISK MANAGEMENT AND RESTORATION
Boston, MA
Charter Contracting Company, Inc.

HIGHWAY & TRANSPORTATION NEW
NORTHWEST LIGHT RAIL EXTENSION
Phoenix, AZ
Sundt/Stacy & Witbeck

HIGHWAY & TRANSPORTATION RENOVATION
COLUMBIA I-70 BRIDGES
DESIGN-BUILD PROJECT
Columbia, MO
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UTILITY INFRASTRUCTURE NEW
REPLACE 24" UNDERWATER WATERLINE CROSSING, PEARL CITY PENINSULA TO FORD ISLAND, PEARL HARBOR, HAWAII
Joint Base Pearl Harbor Hickam, HI
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UTILITY INFRASTRUCTURE RENOVATION
CITIZENS ENERGY GROUP SOUTHPORT AWT CAPACITY EXPANSION PROJECT
Indianapolis, IN
Bowen Engineering Corporation

CONSTRUCTION MANAGEMENT CIVIL
I-40 BRIDGES FAST FIX 8
Nashville, TN
Kiewit Infrastructure South Co.

DESIGN-BUILD CIVIL
CATWALK TRAIL RECONSTRUCTION DESIGN/BUILD
Glenwood, NM
AUI Inc.

ENVIRONMENTAL ENHANCEMENT
SUTTON BROOK DISPOSAL AREA SUPERFUND SITE REMEDIATION
Tewksbury, MA
Charter Contracting Company, LLC

INTERNATIONAL
U.S. EMBASSY COMPOUND - PARAMARIBO, SURINAME
Paramaribo, Suriname
B.L. Harbert International, LLC
35TH ANNUAL
2017 Alliant BUILD AMERICA AWARDS

Wednesday, March 8 | 12 PM | AGC’s 98th ANNUAL CONVENTION | Las Vegas, NV

WELCOME
Mark Knight, 2016 AGC President
Peter Arkley, Senior Managing Director, Alliant Insurance Services

LUNCHEON

SPEAKER
Ryan Estis, Business Performance Expert

2017 AWARDS CEREMONY
AGC Marvin M. Black Partnering Excellence Award
Alliant Build America Awards

SPECIAL GRAND AWARD PRESENTATION
AGC/Alliant Build America Grand Award
Alliant is once again honored to sponsor these distinguished awards and to recognize the highest achievements in construction for state-of-the-art advancement, outstanding project management and innovative construction techniques. Recipients of the Build America Awards have demonstrated construction excellence and are building a better world and improving our quality of life. Each project reflects the crucial combination of contractor excellence with talented workers and quality safety programs.

We continue to be inspired by the ability of contractors to engineer and build such remarkable projects. Their accomplishments are testaments to our industry’s commitment to quality and why they are being honored with this prestigious award. It is an honor to present these deserving winners with an Alliant Build America Award. As recognized by a jury of contractor peers, the projects voted as Alliant Build America Award recipients exemplify the best in the construction world.

-Peter Arkley, Senior Managing Director, Alliant Insurance Services
-Michael Cusack, Managing Director, Alliant Insurance Services
-Michael Parizino, Executive Vice President, Alliant insurance Services

Alliant Insurance Services, Inc. is the leading specialty broker in the United States. Alliant is dedicated to providing trusted risk advice to contractors, public entities, energy providers, tribal nations, owners and developers with specialized risk management and surety services.

Alliant is the broker of choice for the largest private (Hudson Yards), public (California High Speed Rail) and private-public partnership (La Guardia Airport) projects in the U.S., and serves 18% of the Top 100 Contractors in the U.S. as listed by ENR. construction.alliant.com
THE CONSTRUCTION INDUSTRY’S “OSCARS”

For 30 plus years, the Alliant 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 10 Merit Award winners and 23 Alliant 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 $99 million; Building Over $100 million; Construction Management; Construction Management Civil; Design-Build Building; Design-Build Civil; Environmental Enhancement, Federal & Heavy construction; Highway & Transportation construction; International construction; Utility Infrastructure construction; the AGC Build America 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 2018 Alliant Build 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 2017 ALLIANT BUILD AMERICA AWARDS!
2017 BUILD AMERICA MERIT AWARD WINNERS

BUILDING NEW $10M TO $99M
City Center Plaza
Boise, ID
Engineered Structures, Inc.

BUILDING RENOVATION $10M TO $99M
Duke University Chapel Restoration
Durham, NC
Romeo Guest Associates, Inc.

BUILDING NEW OVER $100M
Mall of San Juan
San Juan, PR
dck/Bird, LLC

CONSTRUCTION MANAGEMENT RENOVATION
U-M GG Brown Laboratory Building Renovation
Ann Arbor, MI
Granger Construction Company

HIGHWAY AND TRANSPORTATION NEW
SR 417 & Boggy Creek Interchange Improvements Phase III
Orlando, FL
SEMA Construction, Inc.
UTILITY INFRASTRUCTURE NEW
Ogden Canyon Siphon Replacement Project
Ogden, UT
Whitaker Construction Co.

UTILITY INFRASTRUCTURE RENOVATION
Elm Creek Dam Reconstruction and Improvements
Champlin, MN
C.S. McCrossan Construction, Inc.

PARTNERING EXCELLENCE
San Francisco-Oakland Bay Bridges East Span Marine Foundation Removal Project Phase I - Pier E3 Demo
Oakland, CA
Kiewit/Manson, AJV & Caltrans

PARTNERING EXCELLENCE
US 6 Bridges Design-Build Project
Denver, CO
Kraemer North America

PARTNERING EXCELLENCE
Air Force Technical Applications (AFTAC)
Patrick Air Force Base, FL
Hensel Phelps
I-15 VIRGIN RIVER GORGE BRIDGE NO. 6 CMAR

Mohave County, AZ
Pulice-Wadsworth Brothers Joint Venture

This TIGER grant-supported project preserved the character and natural resources of the Virgin River Gorge, while reconstructing the 60-year-old four-span steel bridge. The existing bridge had cracks and fatigue in the girders. As it cut through two large canyons, travelers were at risk to falling rock debris. The Pulice/Wadsworth team added columns, widened the approach lanes and shoulders, scaled the rock slopes and installed rockfall fences. The joint venture team used its combined experience and knowledge to offer improvements and solutions to the owner throughout the project, including developing a method to collect all debris while deconstructing the existing bridge and dislodging loose debris from the rock cut slopes to protect the river, which is home to sensitive and endangered species of fish. Throughout construction, nearly 5,700 trucks and 23,000 vehicles passed through the corridor. The project was completed in under three years, and included several crucial stakeholders, including the Bureau of Land Management, National Park Service, and the U.S. Army Corps of Engineers.

NORTHWEST LIGHT RAIL EXTENSION

Phoenix, AZ
Sundt/Stacy & Witbeck

A 3.2 mile addition to the Valley Metro light rail system, this extension is the fourth project the Sundt/Stacy & Witbeck team has delivered as part of the light rail program. The scope included curb-to-curb utility replacement, roadway widening, embedded double track installation, train signals, and three traction power substations, as well as three stations, a park-and-ride, and over six miles of sidewalks. The $160 million project was located in a highly urban area with a high volume of vehicle and pedestrian traffic. The team utilized Building Information Modeling to help detect issues with the utility scope, which had to be completed in advance of installing the light rail system. The utility work took place over twenty months, and included removing and replacing all of the water, sewer and storm systems, and upgrading many gas mains. Close coordination in this phase was critical to achieving project completion on time and on budget. The completed project serves about 5,000 riders each day in what has been officially recognized as the “19 North” community.
BUILDING UNDER $10 MILLION NEW

**AMBULATORY SURGICAL CENTER**
Twin Falls, ID
Engineered Structures, Inc.
**Lead Architect:** CTA Architects
**Lead Engineer:** PVE Mechanical

Twin Falls required a new facility to meet increased demand for outpatient surgical services. Engineered Structures delivered St. Luke’s Ambulatory Surgical Center under budget and ahead of schedule. The 20,500 square foot, $8 million facility features an exposed painted structural steel canopy at the main entrance, but more importantly includes five operating rooms. The mechanical system proved to be a unique challenge, as the boiler and chiller system was very large, and the building required a filtration system to ensure clean air and germ prevention. Next, the team overcame the grueling Idaho winter by using ground heaters and concrete blankets to dig, heat and place concrete on the site, without losing time. Over more than 100,000 man hours, there were no injuries, thanks to fall protection training and weekly safety meetings with subcontractors that improved awareness and teamwork across the site. Meanwhile, a superintendent with specialized erosion and sediment control training oversaw the erosion control plan to ensure day-to-day construction complied with the Stormwater Pollution Prevention Plan.

**TRI-VILLAGES SELF-STORAGE DOWNTOWN**
Columbus, OH
Brexton
**Lead Architect:** MS Consultants Inc.
**Lead Engineer:** Mannik Smith Group

This $6.7 million self-storage facility is the first of its kind in the Midwest, featuring climate-controlled, electronic locking storage, a high-security wine cellar and tasting room. The Brexton team faced several challenges constructing this six-story facility, including a tight building site surrounded by active roadways, and record rainfall during excavation for the basement level. When excavation was complete, a new challenge emerged: keeping water out of the space to place the concrete slab. In addition, the discovery of a 5-feet gas line in the shoring stage required the team to redesign the building, and the city’s concern about excess vehicle weight on a side street adjacent to the building site threatened to delay a building permit. Despite these challenges, the team worked carefully to devise a plan to complete a unique project that is appreciated by the community and provides secure storage with top-of-the line finishes.
Huddleston Elementary School required an urgent 60,000 square foot renovation in eight weeks to address mold issues in the school and avoid displacing the student body. This $4.6 million project was completed during the summer break, and included removing and replacing all flooring, ceilings, ductwork, light fixtures, data and fire alarms, windows, HVAC units, flat roofing, rooftop gas lines, the transformer, generator, switchgear, and panels. The Carroll Daniel team also completed construction on some new interior walls, installed a sprinkler system and hydrants, and repainted the building. The team had just two weeks to plan the work, including move out, move in and cleaning. Early in the project, the team discovered the existing slab required a moisture mitigation process, which meant that some areas of the project had to be left completely vacant. To maintain the schedule, two superintendents ran round-the-clock shifts seven days a week. Logistics plans were created and updated daily, and resulted in many saved hours due to the firm’s meticulous planning and coordination. The project was completed on schedule, on budget, and with zero lost time incidents.

The A.L. Huber team salvaged a limestone shell – all that was left of the historic Westport Presbyterian Church after a catastrophic fire in 2011 – to restore this treasured Kansas City landmark and help the church sustain its mission to create a stronger community presence. In addition to the restoration, the church now features a 150-seat sanctuary, a chapel, fellowship and multi-purpose room, and administrative offices. This project was complicated on a very tight lot, surrounded by residences, retail, and a daycare center. Safety monitoring and communications were a top priority, and the team monitored constantly for pedestrian traffic and provided traffic control. Throughout the project, 40,000 board feet of lumber, 250 tons of stone, 50 tons of steel, and 70 tons of rock were salvaged or recycled. At the same time, the team was committed to salvaging the stained-glass windows and restoring the original stone of the church, and carefully excavated and poured new foundations to support the church for decades to come.
**CINCINNATI CHILDREN’S HOSPITAL MEDICAL CENTER/UC HEALTH PROTON THERAPY CENTER**

Cincinnati, OH  
Messer/Linbeck Joint Venture  
**Lead Architect:** Tsoi/Kobus & Associates  
**Lead Engineer:** MEP Engineer - Bard, Rao + Athanas Consulting Engineers, PC, Structural - Goldstein-Milano, LLC

This unique 89,549 square foot construction project features four proton therapy treatment rooms, a cyclotron vault, linear accelerator, and houses the Children’s Hospital and University of Cincinnati. Due to the hospital’s unique requirements, the Messer/Linbeck team used Building Information Modeling to complete prefabrication in coordination with many hospital user groups, as well as equipment vendors based in Europe. Proton therapy offers significant advantages to treating cancer in children, and Cincinnati Children’s Hospital is the second children’s hospital in the world to provide it. The proton therapy buildings required complex mechanical, electrical, plumbing, and structural elements embedded in shielding concrete – including more than 40 miles of equipment cabling and thousands of feet of embedded stainless steel ductwork and gas lines. The concrete and embeds were placed within a single millimeter of tolerance, and were inspected and approved by a shielding consultant before pouring concrete in 60 phases. In addition, the team experienced delays in scheduled construction activities due to record freezing temperatures. To address this issue, the team created a heating plan to allow equipment to operate and work to continue. The clinical spaces were completed eight months ahead of schedule, which allowed for equipment installation to occur three weeks ahead of schedule.

**1789 MASSACHUSETTS AVENUE, NW RENOVATION**

Washington, DC  
Grunley Construction Company, Inc.  
**Lead Architect:** Hartman-Cox Architects  
**Lead Engineer:** Robert Silman Associates

Grunley renovated a 1917 Washington, D.C. National Historic Landmark building. Now home to the American Enterprise Institute, Grunley performed a $78.4 million renovation to restore the building’s historic beauty while adding a new central core structure and reinforcing the existing steel frame. The firm also added new office space, including a second basement and a 6,000 square foot public terrace. The second basement, installed below the original, required shoring and underpinning, while simultaneously monitoring any movement to ensure the integrity of the historic façade was maintained. Inside, the project team salvaged, refinished and reinstalled the original wood flooring, cleaned and repaired the original marble tile, and restored original fireplaces. The two new elevators feature matching marble floors and wood paneling. Due to its urban location, laydown areas were limited. The Grunley team carefully planned material storage, including on the roof of the building, and coordinated with subcontractors to manage space constraints. Although the owner requested several change orders, totaling $35 million, Grunley completed the work on time due largely to an accelerated schedule with at least 250 workers on-site per day.
**BUILDING NEW OVER $100 MILLION**

**SAN FRANCISCO INTERNATIONAL AIRPORT REPLACEMENT AIRPORT TRAFFIC CONTROL TOWER AND INTEGRATED FACILITIES**

San Francisco, CA

Hensel Phelps

**Lead Architect:** Fentress Architects

**Lead Engineer:** Walter P Moore

This new facility at the San Francisco International Airport features a new secure connector bridge between Terminals 1 and 2, a new airport traffic control tower, and a three story, 42,000 square foot integrated facilities building at the base of the tower. The tower was constructed at the maximum allowable height – 221 feet above ground level. The tower required a unique design to ensure that it could remain operational in the event of a major earthquake, as it is built on Bay mud soils. The Hensel Phelps team worked with Fentress design/build and structural designer Walter P. Moore to devise a post-tension system to provide building support and maximum flexibility, utilizing 26 vertical post tension cables. The new facilities offer a modern, efficient work space for air traffic controllers, while a second non-secure connector features an innovative skylight allowing an upward view of the tower. The project accomplished the dual goals of creating an iconic building for the client while adhering to the strict requirements of the Federal Aviation Administration. The completed project earned LEED Gold Certification.

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**BUILDING RENOVATION OVER $100 MILLION**

**BOSTON UNIVERSITY LAW SCHOOL ADDITION & TOWER RENOVATION**

Boston, MA

Skanska USA Building, Inc.

**Lead Architect:** Leland Cott - Bruner Cott Associates

**Lead Engineer:** Micheal Ryan BR+A

Skanska completed the $134 million phased renovation and construction project at Boston University School of Law on a fully occupied and active campus. The team scheduled most work during off-hours, weekends and non-disruptive periods, and notified the community if any work was expected to impact daily operations at the university. The first phase of this project included construction of a 90,000 square foot addition to the law tower, while the second phase included a full restoration of the existing 98,000 square foot, 20-story tower, all while preserving the original aesthetics of the vintage, 1960s building. The second phase required renovating the exterior building envelope and replacing the infrastructure, including life safety systems, elevators and interiors, such as wood veneer millwork and stone flooring. As construction manager, Skanska formed an integrated team and created a true partnership, cutting costs and delivering 12 months early. The project ultimately prequalified for LEED Gold Certification, while providing a more spacious and modernized facility for students.
**NOVARTIS INSTITUTES OF BIO MEDICAL RESEARCH – CAMBRIDGE CAMPUS EXPANSION PROJECT**

Cambridge, MA

Skanska USA Building, Inc.

**Lead Architect:** Maya Lin Studio with Bialosky + Partners Architects, Toshiko Mori Architect, Michael Van Valkenburgh Associates, and Cannon Design.

**Lead Engineer:** Cannon Design, Nitsch Engineering, Haley & Aldrich

The project involved constructing two new biomedical buildings, including 795,000 square feet of laboratory, office, retail and below grade parking space. The seven- and eight-story buildings augment the Cambridge Campus of the Novartis Institutes for Biomedical Research, its global research headquarters, and connect Kendall Square and Central Square. This project is the largest Skanska has completed from its Boston office, and was the largest building construction project occurring in the greater Boston area at the time. Skanska utilized an Integrated Project Delivery and design assist approach to construct structural steel, curtain wall, mechanical and plumbing systems, and solvent distribution systems. The team achieved significant savings for the client by using a flat procurement approach to contract directly with subcontractors. In addition, Skanska’s multi-trade prefabrication approach allowed the team to further reduce project cost and save time by modularizing the mechanical and plumbing risers and horizontal MEP distribution systems, prefabricating all metal pan stairs, and prefabricating the plumbing, duct, and mechanical piping risers. The project was completed over 42 months, on time and on budget.

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**WATERBURY STATE OFFICE COMPLEX REDEVELOPMENT**

Waterbury, VT

PC Construction

**Lead Architect:** Freeman French Freeman Architects, Inc.

**Lead Engineer:** Goody Clancy Architects; Rist-Frost-Shumway Engineering; Engineering Ventures, Inc.; SE Group

This renovation project was the largest capital project ever completed by the State of Vermont, and houses 900 employees of the state’s Agency of Human Services and Department of Public Safety. This work has revitalized Waterbury following severe damage in August 2011 from Tropical Storm Irene, which displaced more than 1,500 Vermont state employees. First, however, the team was required to carefully deconstruct 21 flood-prone buildings, which filled 355,000 square feet space. The PC Construction team replaced them with an 86,000 square foot, two-story office building and 20,000 square foot steel-framed central plant and maintenance facility, and restored 13 historic core buildings. Because the site is on the banks of the Winooski River, the existing buildings’ foundation was improved to mitigate the potential of future flooding, and the new facilities were elevated to six inches above the flood-level. The new facilities were designed with sustainability in mind and feature occupancy sensor lighting systems and a biomass energy system. Despite the challenge of managing several simultaneous activities on one site, the team delivered this project on time and within budget.

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**THE 2017 ALLIANT BUILD AMERICA AWARDS**
DESIGN-BUILD BUILDING

DAYTONA RISING
Daytona Beach, FL
Barton Malow Company

Lead Architect: ROSSETTI Architects
Lead Engineer: Zev-Cohen, Walter P Moore, M-E Engineers

The $400 million Daytona International Speedway project was completed in less than 30 months and allowed for continued race events and visits from 750,000 fans throughout the course of the project. The project design considered sight lines for every race fan, and reduced the existing 145,000 seats to 101,500. The project scope also included dismantling and reconstructing the suite and race operations areas, as well as the press tower, without interrupting race activities. The planning phase of the project was lengthy and detailed, as few existing drawings for prior additions to the 1959 stadium exist. The project dimensions were pulled from the model, and the team focused on off-site fabrication to maximize field efficiency. Technology played a major role in the project; the team utilized the latest Virtual Design and Construction technology for the planning, design and execution of the project. Barton Malow used a “one source of truth” project database for easy queuing of project information in the office and the field, and utilized the latest virtual design and construction technology to create a 4-D, real-time visualization to identify potential schedule conflicts.

FEDERAL & HEAVY NEW

DESIGN/BUILD UNMANNED AERIAL VEHICLE COMPLEX / CAMP MACKALL-FORT BRAGG, NC
Fort Bragg, NC
Caddell Construction Co

Lead Architect: Knight Architects
Lead Engineer: Engineering Design Technologies

This project for the Army’s Special Operations Forces at Camp Mackall-Fort Bragg included a 56,250 square foot hangar, a new reinforced concrete runway, nearly five miles of security perimeter fencing, ground data terminal platforms and air landing systems, and a new tactical equipment maintenance facility. The new facilities and systems feature cutting-edge technology relating to computer guidance and control and drone maintenance. Work required coordination with daily operations at two adjacent runways, and innovative new ways of placing specialty concrete to meet exacting military codes. The Caddell team used BIM modeling to develop drawings, educate project parties, reorganize the schedule, erect a pre-engineered hangar building ahead of schedule and coordinate runway construction. Despite a major redesign due to owner modifications after the contract award and an aggressive design-build schedule, the project was delivered in 18 months. Caddell completed this project with more than 216,000 man hours and zero lost-time incidents.
THE 2017 ALLIANT BUILD AMERICA AWARDS

MUDDY RIVER FLOOD RISK MANAGEMENT AND RESTORATION

Boston, MA
Charter Contracting Company, Inc.

Lead Engineer: The United States Army Corps of Engineers - New England District

This Army Corps of Engineers project was situated in the heart of Boston along a network of rivers and parks that connect Boston Common and Franklin Park, known as the Emerald Necklace. This 8.2 acre area had been impacted by substantial flooding, damaging surrounding businesses and leading to road closures. The Charter team found the existing six-foot diameter pipes that carried riverflow underground to be undersized, and installed two 24-foot wide precast arch culverts. The team also rebuilt a quarter mile stretch of river, constructed concrete headwalls and wing walls supported by caissons, and excavated the river to its natural state. The site is heavily-traveled and highly-populated and adjacent to a major roadway system. Due to its urban location, Charter placed great importance on communication, and installed signage beyond contract requirements, including to warn about impending and ongoing construction activities. The completed project significantly reduced the flood risk to the area and added much-needed green space over 97,600 hours without a single lost-time incident.

NORTHWEST LIGHT RAIL EXTENSION

Phoenix, AZ
Sundt/Stacy & Witbeck

Lead Architect: HDR
Lead Engineer: AECOM

A 3.2 mile addition to the Valley Metro light rail system, this extension is the fourth project the Sundt/Stacy & Witbeck team has delivered as part of the light rail program. The scope included curb-to-curb utility replacement, roadway widening, embedded double track installation, train signals, and three traction power substations, as well as three stations, a park-and-ride, and over six miles of sidewalks. The $160 million project was located in a highly urban area with a high volume of vehicle and pedestrian traffic. The team utilized Building Information Modeling to help detect issues with the utility scope, which had to be completed in advance of installing the light rail system. The utility work took place over twenty months, and included removing and replacing all of the water, sewer and storm systems, and upgrading many gas mains. Close coordination in this phase was critical to achieving project completion on time and on budget. The completed project serves about 5,000 riders each day in what has been officially recognized as the “19 North” community.
COLUMBIA I-70 BRIDGES DESIGN-BUILD PROJECT
Columbia, MO
Emery Sapp & Sons, Inc.
Lead Engineer: Parsons Transportation Group Inc.

This design-build project for the Missouri Department of Transportation required teams to propose design and construction plans for a $17.5 million project within 16 months, with the goal of fostering innovative and cost-effective ideas. Sapp's winning proposal replaced six deficient bridges with five new bridges, and built a “dog bone” roundabout at the I-70 business loop interchange. The new interchange eliminated a pinch point in the old roundabout design and improved the function of the entire intersection. The work was completed while maintaining access to all four lanes of the highway, which more than 80,000 vehicles used each day. MoDOT assigned 30 percent of the points on the project to traffic maintenance. The Sapp team delivered by utilizing bridge slides, module steel bridge construction, bypasses and ramp detours, which meant that two lanes were open in each direction of I-70 at all times, except for a few temporary night time lane closures. Accelerated Bridge Construction and temporary bypasses allowed the team to work uninterrupted and separate from the traveling public, minimizing street closure time and improving safety.

REPLACE 24” UNDERWATER WATERLINE CROSSING, PEARL CITY PENINSULA TO FORD ISLAND, PEARL HARBOR, HAWAII
Joint Base Pearl Harbor Hickam, HI
Healy Tibbitts Builders, Inc.
Lead Engineer: Fukunaga & Associates, Inc.

This $10 million U.S. Navy project required replacing a 62-year-old 24-inch ductile iron pipeline below the harbor channel between Pearl City Peninsula and Ford Island. The Healy Tibbitts Builders team installed 3,425 linear feet of new state-of-the-art 24-inch PVC pipe below the channel, using horizontal directional drilling, as well as 955 linear feet of iron pipelines to connect to existing waterlines on both sides of the channel. The Healy Tibbitts Builders team had to overcome a host of special challenges, including obtaining a National Pollutant Discharge Elimination System (NPDES) environmental permit, scheduling work around critical naval exercises, and minimizing the impact on security operations at the adjacent Navy SEAL compound. This was the first time 24-inch fuseable PVC was installed in Hawaii using Horizontal Directional Drilling (HDD), which required drilling more than 40 feet below the channel bottom due to difficult soil conditions. Throughout the drilling, a full-time geotechnical engineer remained on staff and coordinated with stakeholders to achieve a viable hole through which to pull the pipe. The installation method minimized the impact on the surrounding environment, as it eliminated the need for the traditional dredged trench and backfill process of installing in-water pipelines. Instead, special holding ponds were installed to dispose of ground water from drilling operations and to control dewatering for the trench excavations.
CITIZENS ENERGY GROUP
SOUTHPORT AWT CAPACITY EXPANSION PROJECT
Indianapolis, IN
Bowen Engineering Corporation
Lead Architect: Synthesis
Lead Engineer: HNTB

This $100 million wastewater treatment upgrade was the final step in a 20-year program to eliminate raw sewage overflows into Indianapolis waterways during rain events. Prior to this project, the city experienced raw sewage overflows of up to four billion gallons each year. Thanks to the Bowen team’s creative sequencing, there were no discharge events during construction, even though it was one of the wettest summers in state history. In addition to installing 18,000 linear feet of underground piping and 50 pieces of equipment, the scope of work included demolishing 30 structures and building new Ultraviolet (UV) disinfection, grit and screening structures and a new scum facility, which more than doubled capacity for the plant. Three environmental zones and an active well field cut directly through the project site and required planning and sensitivity throughout the project, which Bowen managed using innovative techniques and coordination between all contractors. The Bowen team completed the project nearly one year early and on budget, while allowing the plant to maintain uninterrupted flow of 150 million gallons per day through the site.

CONSTRUCTION MANAGEMENT CIVIL

I-40 BRIDGES FAST FIX 8
Nashville, TN
Kiewit Infrastructure South Co.
Lead Engineer: Gresham, Smith and Partners

This $62 million accelerated bridge construction project required Kiewit to demolish and reconstruct eight bridges along I-40 in Nashville. The Tennessee Department of Transportation ordered the work to address advanced deterioration on all eight bridges near I-40’s intersection with I-65 and I-24, where more than 130,000 vehicles travel each day. Each bridge was demolished and reconstructed in a 58-hour weekend, and the entire project was completed in six months. This project was TDOT’s first Construction Manager General Contractor project, which Kiewit paired with a strong partnering process. This allowed for key project accomplishments, such as early procurement of steel girders, which allowed the team to accelerate the schedule. The team logged 112,000 man hours, and nearly one-third occurred over 10 critical weekend closures. Outside of the weekend work, the scope included excavation, MSE walls, small block walls, substructure replacement, and construction of four steel superstructure units, all performed by a crew during the week without road closures. Four change orders occurred on the project, and were resolved without issue, ultimately reducing the contract amount. The project was completed within 1 percent of the original contract amount.
**DESIGN-BUILD CIVIL**

**SUTTON BROOK DISPOSAL AREA SUPERFUND SITE REMEDIATION**

Tewksbury, MA
Charter Contracting Company, LLC

*Lead Architect:* Engineering Management, Inc. (EMI); Geosyntec Consultants, Inc.

From 1957-1988, the 53-acre Sutton Brook disposal area landfill received municipal and industrial wastes, and fell victim to illegal dumping in wetland areas, waste material burning, and improper capping, ultimately making the site environmentally contaminated. In order to eliminate risks to human health and the environment, the Charter Contracting team remediated what is now a superfund site to consolidate, cap, and close the landfill lobes, while restoring surrounding wetlands and removing contamination from the groundwater, sediments, soils, and waterways. Ultimately, Charter Contracting transformed a public health hazard into a wetlands area and grassy park to benefit the community. The team identified a potential bottleneck in the slurry wall along an active waterway, and developed a staging platform, soil support system, and erosion controls that allowed long-reach equipment to safely achieve 48-foot depths on one side of the wall. Additional setbacks occurred due to stormwater runoff and erosion, which required installing capping materials on sloped surfaces, drainage benches and downchutes. Despite these issues, the project was completed ahead of schedule with zero lost time incidents in more than 120,000 man hours.

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**CATWALK TRAIL RECONSTRUCTION DESIGN/BUILD**

Glenwood, NM
AUI Inc.

*Lead Engineer:* Bohannan Huston, Inc.

This $4.6 million renovation of the Catwalk Trail in the Gila National Forest followed its destruction in 2012 and 2013 due to a lightning-sparked fire and catastrophic flooding. The project required design and construction of three steel bridges, installing a 700-foot suspended catwalk in a remote slot canyon, restoring trails, slope protection, and rehabilitating and expanding the parking lot, all while preserving the existing historical and archaeological elements of the site. All structures and trails were designed and placed to maximize viewing areas, but also to reduce the risk of future flood damage and rockslides. In fact, the access trails included historic masonry steps and retaining walls, which the team preserved and restored for use in the new trails. The slot canyon featured deviating rock faces and varying geology, which required the team to pull-test every anchor and utilize Light Detection and Ranging (LiDAR) to determine correct positioning. The project was completed in just nine months – one month ahead of schedule – on budget and with no incidents. The AUI team faced unusual circumstances throughout the project, including a uniquely remote site, 200 miles from the nearest major city and a half mile from the closest parking area, which meant that the site could be accessed only through a narrow canyon. In addition, the project area included jurisdictional waters of the United States, which required special permitting that can take up to a year to process.
U.S. EMBASSY COMPOUND – PARAMARIBO, SURINAME

Paramaribo, Suriname
B.L. Harbert International, LLC
Lead Architect: Zimmer Gunsul Frasca Architects, LLP

The new U.S. Embassy Compound in Suriname, east of Venezuela in northern South America, is situated on eight acres in the Morgenstond development of Paramaribo, and provides diplomatic staff with a safe, secure, sustainable workplace. This $120 million, multi-structure complex includes a two story office building, a utility building, warehouse, and maintenance shops facility. Because most materials had to be sourced from the United States, and in order to meet the client’s quality standards, the BLHI team procured, shipped and received more than 500 40-foot sea containers of materials. More than 600 Surinamese workers were trained by 130 supervisors from 18 different countries over the course of the project, giving these locals a long-term career path, as well as vital safety practices in a country that lacks nationalized safety standards. The BLHI team went to great lengths to ensure the comfort and safety of their Surinamese co-workers. As they were not accustomed to a 60-hour work week, and some traveled over 90 kilometers to work, they received support by way of dedicated commuter buses, on-site lunches, shower/change facilities, and a fatigue management plan. The project was completed nearly one month ahead of schedule.
YOU TOO CAN WIN AN ALLIANT BUILD AMERICA AWARD

CATEGORIES

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

Building (under $10 million)  Federal & Heavy
Building ($10 million to $99 million)  Highway & Transportation
Building ($100 million or more)  Highway & Transportation (under $10 million)
Construction Management  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.

Construction Management Civil  Environmental Enhancement
Design-Build Building  International
Design-Build Civil

The 2018 Alliant 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, 2016 and November 1, 2017. 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.

ALLIANT INSURANCE SERVICES

Peter Arkley, Senior Managing Director

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 an Alliant 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 Alliant also strive to achieve on behalf of our clients. Being acknowledged by your peers with an Alliant 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 New Orleans.
MARVIN M. BLACK PARTNERING EXCELLENCE

The AGC Build America Marvin M. Black Partnering Award will be presented annually to construction project(s) that epitomize the principles of partnering. The goal of this category is to identify excellence in partnering, honor stakeholders and celebrate success while perpetuating the partnering process.

Those honored with this Build America award stand out for their ability in the following areas:

• Signing a formal partnering charter
• Adherence to the principles of partnering
• Achieving a common goal
• Honoring all stakeholders
• Resolving conflict
• Incorporating team-building activities
• Perpetuating the partnering process

• Team building
• Improved communications
• Conflict resolution
• Delivery of quality to the project
• General and specialty contractors working as the prime contractor must be AGC members in good standing.
• All members of the joint venture must be AGC members in good standing.
PRESENTATION OF AWARDS
AGC OF AMERICA 99TH ANNUAL CONVENTION
NEW ORLEANS, LOUISIANA FEBRUARY 26-28, 2018
www.agc.org/awards

THE ALLIANT BUILD AMERICA AWARDS
The Alliant Build America Awards have always showcased the best of construction. Past winners have rebuilt earthquake-damaged highways and bridges, renovated historic structures along “Main Street America,” built state-of-the-art stadiums and hospitals, constructed new public works and revitalized aging infrastructure across this great nation. The Alliant Build America Awards also include a “Partnering Excellence” category to recognize those projects best epitomizing the principles of partnering. Inspired by AGC’s Past President Marvin M. Black, the inclusion of partnering into the Build America Awards represents a timely and unified celebration of the construction industry’s finest. For the 2018 Awards, all entries must be submitted at www.agc.org/awards no later than Wednesday, October 25, 2017.
The 2018 Alliant 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, 2016 and November 1, 2017. 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.