

PRESS RELEASE

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IOWA READY MIXED CONCRETE ASSOCIATION ANNOUNCES 2018 EXCELLENCE IN CONCRETE AWARDS

AMES, IOWA - The 25th Annual Excellence in Concrete Awards were announced on November 8, 2018, at a ceremony in Ames, Iowa. The Iowa Ready Mixed Concrete Association (IRMCA) and American Concrete Institute (ACI) Iowa Chapter hosted the awards luncheon during the Iowa Better Concrete Conference.

The Excellence in Concrete Awards recognize outstanding projects from throughout the state. Entries were judged on the following criteria: architectural design, engineering and construction challenges, complexity of project, uniqueness of project, workmanship, finished impression, and diverse application of ready mixed concrete.

The 2018 Excellence in Concrete Award winners are listed below by category.

AGRICULTURAL CATEGORY

Cornfed Farms – Cattle Barn, Ladora

Ready Mixed Concrete Producer: Manatt's, Inc., Williamsburg

Owner: Cornfed Farms, LLC, Ladora

Designer/ General Contractor/Concrete Subcontractor: Iowa Beef Systems, Maxwell

Engineer: ProAg Engineering, Inc., Lakefield, MN

Iowa is the “agriculture state” and Iowa Beef Systems is a leader in cattle facility design and build. In 2017, Cornfed Farms of Ladora, Iowa hired Iowa Beef Systems to design and build a state of the art cattle facility. Design and construction began in 2017 and finished in June of 2018. Mark Ehresman of Iowa Beef Systems deserves the credit for the complex design of the facility. With a modern looking finish, Cornfed Farms is owner to one of the top facilities in the state of Iowa.

ABOVE-GRADE BUILDINGS CATEGORY

Hobby Lobby, Sioux City

Ready Mixed Concrete Producer: GCC Ready Mix, Sergeant Bluff

Owner: Hobby Lobby Stores, Inc., Oklahoma City, OK

General Contractor: Snyder Construction, Inc., Berkley, MI

Concrete Subcontractor: Goss Foundations, Inc., Longwood, FL

ICF Supplier: LiteForm Technologies, LLC, South Sioux City, NE

Architect/Designer: Robert Michael Hughes, Tulsa, OK

Engineer: Mettemeyer Engineering, LLC, Springfield, MO

Hobby Lobby chose LiteForm Tilt for their Sioux City, IA store for two reasons; energy efficiency and quicker time to completion. Hobby Lobby stores go from ground breaking to cash registers ringing in 90-110 days. Including LiteForm Tilt in the Sioux City store saved over 2 weeks of construction time. Even more importantly, is the cost savings that will be recognized through annual heating and cooling. It is a double win for this brick and mortar retailer. The project involved 57 LiteForm Tilt sandwich panels with the largest weighing 154,000 lbs. and the smallest weighing 84,000 lbs. Total time to cast on-site and erect was 19 days. Each panel includes a minimum 3 inches of EPS foam for insulation. The project went from site excavation to walls erected in 41 days.

LOW-RISE BUILDINGS CATEGORY

Legacy Building 1, Grimes

Ready Mixed Concrete Producer: CTI Ready Mix, LLC, Grimes

Owner: Anderson Properties, Urbandale

General Contractor: Alston Construction Company, Lisle, IL

Concrete Subcontractors: Concrete Technologies, Inc., Grimes

Architects/Designer: CSO Architects, Inc., Indianapolis, IN

Engineer: Raker Rhodes Engineering, LLC, Des Moines

Alston Construction, working in conjunction with Anderson Properties added a second building to their site in Grimes, IA. This building is highly visible from the much-traveled Hwy 141 corridor. Architectural elements were incorporated in the design to provide curb appeal to the thousands of motorists that pass by daily. Speed and efficiency were the cornerstone of the construction process. With a total area of 135,000 square feet, the building has been divided for clients with many different needs. Concrete met the needs of the owner and the general contractor by allowing construction throughout the year in a variety of weather conditions. 1,200 cubic yards went into the foundations and 2,700 yards were used in the floors. A parking lot of over 20,000 square yards and site concrete totaled another 4,810 cubic yards. With concrete leading the way, this building will be a testament to the principles of efficient design and construction.

MID-RISE BUILDINGS CATEGORY

River Caddis, Ames

Ready Mixed Concrete Producer: CTI Ready Mix, LLC, Grimes

Owner: River Caddis Development, LLC, East Lansing, MI

General Contractor: Opus Design Build, LLC, Clive

Concrete Subcontractors: Concrete Technologies, Inc., Grimes

Architects/Designer/Engineer: Opus AE Group, LLC, Minnetonka, MN

Located on Lincoln Way in Ames, this location provides high visibility, pedestrian access and proximity to campus. River Caddis is a mixed-use development with retail options and client amenities on the first two floors and apartments on floors three through six. With over three hundred thousand square feet, River Caddis integrates everything a college student requires in its design. Ready mixed concrete was used in all aspects of the design and construction. Over 2,000 cubic yards of concrete were used in the construction of foundations. Topping slabs were utilized in the upper floors and parking garage totaling over 1,700 cubic yards. Finally, over 480 cubic yards were utilized in parking lots and sidewalks. Ready mixed concrete is an integral component in the project and many elements are highly visible. Finished appearances are outstanding and the project has been transformative for Iowa State and Ames.

COMMERCIAL/INDUSTRIAL DECORATIVE CATEGORY

Durgin Pavilion and Trail, Monticello

Ready Mixed Concrete Producer: BARD Materials, Monticello

Owner/General Contractor/Designer: Camp Courageous, Monticello

Concrete Subcontractor: Power Concrete Construction & Design Center, North Liberty

The Camp Courageous Durgin Pavilion and Trail is a multi-year project that started with the construction of a lake and bridge and then continued with the building and parking lot and finally being completed this year with the trail around the lake. The pavilion used polished concrete floors in the upper level for a low maintenance durable surface and has a bowling alley in the lower level for their campers' entertainment. This is the first time they have used concrete for their parking lot and it resulted in a clean, attractive, maintenance free area. The trail around the lake was completed in the Summer of 2018 and incorporates a raised flower garden area so the campers can garden from their wheel chairs. This project used a total of approximately 1,400 yards of concrete and is serving the campers of Camp Courageous very well.

PARKING AREAS/DRIVES (<1,000 CY) CATEGORY

Waukee High School Parking Expansion, Waukee

Ready Mixed Concrete Producer: CTI Ready Mix, LLC, Grimes

Owner: Waukee Community School District, Waukee

General Contractor/ Concrete Subcontractor: Concrete Technologies, Inc., Grimes

Architect/Designer: Bishop Engineering, Urbandale

When you are one of the fastest growing school districts in Iowa, there is a constant need to keep pace in expanding and upgrading facilities. With limited space to provide additional parking prior to the construction of a new high school, Waukee Community Schools chose Portland cement concrete paving to add parking stalls in the limited space available. The design allowed the district to maximize available parking while blending into the existing buildings and lots. Lighting and landscaping provide a secure environment for students and staff. Attention to detail and an outstanding team of subcontractors allowed Concrete Technologies to complete the project prior to the 2018-2019 school year. While not grand in scale, the lot encompasses 4,735 square yards, utilizing 942 cubic yards of concrete supplied by CTI Ready Mix. Quality construction practices and craftsmanship teamed to give Waukee Community School District a parking area that will serve them well for many years to come.

PARKING AREAS/DRIVES (>1,000 CY) CATEGORY

Webster County Maintenance Facility, Fort Dodge

Ready Mixed Concrete Producer: Cemstone Concrete Materials, LLC, Fort Dodge

Owner: Webster County, Fort Dodge

General Contractor/ Concrete Subcontractor: Jensen Builders, LTD, Fort Dodge

Architect/Designer: frk architects + engineers, West Des Moines

Engineer: Calhoun-Burns & Associates, Inc., West Des Moines

The Webster County Maintenance Facility project combined some of the County's existing facilities into one centralized location. The project consisted of two pre-engineered metal buildings totaling 37,900 sf, located on a 10-acre site. Over 172,000 sf of concrete paving was also placed as part of the project. The vast majority of the parking lot was placed in pours averaging over 700 cubic yards of concrete. In total, over 5,775 cubic yards of concrete was placed on the project.

INFRASTRUCTURE-RECREATIONAL CATEGORY

Central Park, Grinnell

Ready Mixed Concrete Producer: Manatt's, Inc., Grinnell

Owner: City of Grinnell

General Contractor/ Concrete Subcontractor: Bushong Construction Co., Inc., Montezuma

Architect/Designer: RDG Planning & Design, Des Moines

Central Park in Grinnell, Iowa has been the heart of downtown for decades. Town celebrations, graduations, picnics, farmers markets, pep rallies, and most any town get-together happens at Central Park. That is the reason the city of Grinnell decided to give Central Park a multi-million dollar facelift. RDG Planning and Design created a vision not many thought was possible, but through Bushong Construction, the city of Grinnell now has one of the state's finest parks. The home to many celebrations, the local farmers market takes place at the park on Thursdays and Saturdays, the 2400 sq. ft. stage hosts "music in the park" every Thursday during the summer, and the splash pad helps cool the people on those hot summer days. All these wonderful events and structures make Central Park the place to be in Grinnell.

INFRASTRUCTURE-STRUCTURES CATEGORY

Flood Mitigation Phase V, Burlington

Ready Mixed Concrete Producer: Ideal Ready Mix Co., Inc., West Burlington

General Contractor: SG Construction Company, West Burlington

Concrete Subcontractor: TCK Concrete, LLC, West Point and MJ Daly Construction, Inc., Burlington

Architect/Designer: SmithGroup, Madison, WI

Engineer: Veenstra & Kimm, Inc., Rock Island, IL

This project was part of an overall flood control, infrastructure, and riverfront transformation for the City of Burlington. This phase was approximately 1,500 linear feet of river front improvements. It included improvements to the infrastructure, constructing a permanent wall which also supports a temporary flood wall for 500-year flood elevations, site paving and landscaping. The cast-in-place portion of this project had seven major phases: deep footings, mast footings, flood wall, existing wall repairs, seat walls, paving, and sandblasting/coating. A challenge of the deep footings was keeping the area dewatered since they are 10 ft. below grade. The flood wall itself is 22" thick and 6' tall. Sitting walls were also constructed in the landing/park areas of the river front. Site paving included special jointing, saw cut patterns, and sand blasting/coating patterns.

RECREATIONAL TRAILS CATEGORY

Easter Lake Trail – Phase 3, Des Moines

Ready Mixed Concrete Producer: Manatt's, Inc., Ankeny

General Contractor: Elder Corporation, Pleasant Hill

Concrete Subcontractor: Absolute Concrete, Slater

Engineer: Snyder & Associates, Inc., Ankeny

Easter Lake Trail Phase 3 along Evergreen Avenue closed the eastern gap between phases 1 and 2 in 2018. Modifications to Easter Lake Dam were required to incorporate a trail along the dam. It was constructed in coordination with the Easter Lake Restoration project which involved dredging, shoreline restoration, and a constructed wetland. The lake was drained for dry dredging, which enabled the trail construction process to utilize lake bottom soils for borrow material, staging of construction materials, and modifications to the dam while dry. It allowed the ready mix trucks easy access to the Gomaco Commander 3 paver while paving this 1.8 mile stretch of trail.

Phase 3 also included repaving Evergreen Avenue and connecting sidewalks for the City of Des Moines as a separate division in the construction documents. Joint bidding and construction of the trail and roadwork resulted in construction cost savings for both the City and Polk County Conservation.

RESIDENTIAL ABOVE-GRADE CATEGORY

Madison Residence, Winterset

Ready Mixed Concrete Producer: Liberty Ready Mix, Urbandale

Owners: Dan & Christine Madison, Winterset

General Contractor: Newcastle Home Builders, Winterset

Concrete Subcontractor: Stromax Construction, Winterset

ICF Supplier: Fox Blocks, Omaha, NE

ICF Decking Supplier: LiteForm Technologies, LLC, South Sioux City, NE

After losing their home to a fire in 2017, owners Dan & Chris Madison had hoped to rebuild on the original home's basement. However, it had been too extensively damaged and couldn't be salvaged. The fire-resistant nature of ICFs made them a compelling choice for rebuilding. Fox Blocks ICF forms were chosen to construct the 13' basement walls and the 9" above-grade exterior walls of the new home. Additionally, a safe room with a LiteDeck cap was added under the front stoop, creating an additional safety feature for this home.

RESIDENTIAL DECORATIVE CATEGORY

Re-Bar Pool & Backyard Environment, North Liberty

Ready Mixed Concrete Producer: Hawkeye Ready-Mix, Inc., Iowa City

Owner: Dan & Jodie Power, North Liberty

General Contractor/ Concrete Subcontractor: Power Concrete Construction & Design Center, North Liberty

Pool Builder: Barrington Pools, Inc., South Barrington, IL

Landscape Designer: Country Landscapes, Inc., North Liberty

This unique and stunning project incorporates multiple uses of decorative concrete and ready-mixed concrete applications. The lower patio surface is a sierra stone seamless textured colored concrete with smooth finish accent bands throughout. The covered outdoor bar boasts a large U-shaped concrete countertop that seamlessly connects the four 30"x30" concrete support columns of the upper poured deck of the house structure. Just off the patio area features a poured concrete seat wall & decorative 3 1/2" colored concrete cap that wraps around a custom 62" diameter concrete fire bowl. The project features an engineered 150' long poured concrete retaining wall that is 8'10" tall. The project is comprised of over 245 yards of ready mixed concrete in the construction of the foundation footings, walls, floors, pool shell, stamped concrete steps, concrete countertops & pool deck areas.

STREETS & INTERSECTIONS CATEGORY

West Ave & West Burlington Ave Roundabout, Burlington

Ready Mixed Concrete Producer: Ideal Ready Mix Co., Inc., West Burlington

Owner: City of Burlington

General Contractor/Concrete Subcontractor: Mike Nelson Concrete Paving Co., Burlington

Architect/Designer: French-Reneker Associates, Fairfield

The City of Burlington was awarded a RISE Grant for Improvements to roadways within the Flint Ridge Business Park associated with the development of 35 acres by Silgan Holdings, Inc. The city decided to replace this narrow intersection controlled by traffic signals with the anticipated increase in stress on the existing roadways. The new roundabout would provide safety, mobility, and efficiency to the intersection with the increased traffic flow. The design included a single lane roundabout with a truck apron. To facilitate truck traffic heading westbound to northbound, a slip lane was added to ease flow. ADA compliant pedestrian ramps and island were included to allow safe passage through the roundabout. Colored concrete was chosen to differentiate the island and paved shoulders from the driving lanes. The roundabout consisted of 9" PCC with a 6" granular base placed on a compacted earth sub-grade. Storm sewer and subdrains were installed throughout the roundabout to allow for proper drainage.

REPAIR & RESTORATION CATEGORY

Davis County Schools Stadium, Bloomfield

Ready Mixed Concrete Producer: Manatt's, Inc., Ottumwa

Owner: Davis County Schools, Bloomfield

General Contractor: CCI Group, Inc., Ottumwa

Concrete Subcontractor: Cremer Concrete, Bloomfield

Architect/Designer: Shive-Hattery, Inc., West Des Moines

Davis County Schools had functioned for many years with an outdated track and football stadium. That ended in the fall of 2017 as the Mustangs opened the new stadium with their annual homecoming game. Shive-Hattery of West Des Moines designed the new facility. Using modern ideas without losing the tradition and nostalgia, they were able to give the vision to CCI and Cremer Concrete to bring the new stadium to life. New home and away seating, new walkways, easy access to the amenities, gorgeous landscaping and a new track all play a part in the beauty of the stadium. The restoration has given the Davis County Mustangs a home to be proud of.

For photos of the Excellence in Concrete Award winners or an electronic copy of this press release, visit www.concretesate.org

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IRMCA is a state organization representing the ready mixed concrete industry.

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