

PRESS RELEASE

FOR IMMEDIATE RELEASE
November 9, 2022

IOWA READY MIXED CONCRETE ASSOCIATION ANNOUNCES 2022 EXCELLENCE IN CONCRETE AWARDS

AMES, IOWA - The 29th Annual Excellence in Concrete Awards were announced on November 9, 2022, 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 2022 Excellence in Concrete Award winners are listed below by category.

AGRICULTURAL CATEGORY

NEW COOPERATIVE COOPER GRAIN FACILITY AND FEED MILL, JEFFERSON

Ready Mixed Concrete Producer: Hamilton Redi-Mix, Jefferson

Owner: NEW Cooperative, Inc., Fort Dodge

General Contractor: Jensen Builders, Ltd., Des Moines

Designer/Engineer: Todd & Sargent, Inc., Ames

NEW Cooperative, Inc. recently completed construction on a new grain facility and pelleting feed mill at its Cooper, Iowa location. Nothing short of impressive, with total grain storage of 3 million bushels and feed mill production capacity of 500,000 tons of pelleted feed. The project includes a 170 ft tall concrete feed mill, four 140 ft. tall concrete grain silos, a 120 ft diameter steel grain bin and an 8,000 sq ft precast concrete warehouse. The feed mill was constructed using vertical slipform concrete construction methods. Crews of up to 100 workers worked 12-hour shifts for 8 consecutive days in the cold December air. The four concrete grain silos were simultaneously slipformed, with crews also working around the clock for 8 days. Multiple finishes including troweled floors, broomed paving, and hand finished walls round out this structurally sound project. A huge asset to Iowa's agricultural community!

ABOVE-GRADE BUILDINGS CATEGORY

PHASE 2 JOHN WAYNE BIRTHPLACE MUSEUM ADDITION, WINTERSET

Ready Mixed Concrete Producer: Concrete Supply, Inc., Winterset

Owner: John Wayne Birthplace & Museum, Winterset

General Contractor: Newcastle Enterprises, Winterset

Concrete Subcontractor: Stromax Construction, Winterset

ICF Supplier: Fox Blocks, Omaha & LiteForm Technologies, S. Sioux City

Architect/Designer: Angelo Architectural Associates, LLC, Urbandale

Engineer: Veenstra & Kimm, Inc., West Des Moines

2022 marked the grand opening of the new addition to the John Wayne Birthplace Museum in Winterset which houses photos, memorabilia, a movie theater and gift shop all to honor the legacy of John Wayne. The new addition is an Insulated Concrete Form (ICF) structure with limestone wainscoting to offer the most secure protection against fire and storms. The 23 ft tall and 11" thick Fox Block ICF walls and 42-foot clear span post-tensioned LiteDeck ICF roof panels offer both protection and energy efficiency. This impressive 10,100 square foot museum now gives visitors the opportunity to see the largest diversified exhibit of John Wayne artifacts in existence. It is sure to delight fans of the iconic American hero for generations to come!

LOW-RISE BUILDINGS CATEGORY

RUSSELL INDUSTRIAL PARK-RYDER INTEGRATED LOGISTICS, DAVENPORT

Ready Mixed Concrete Producer: Hahn Ready Mix, Davenport

Owner: Russell Construction & Development, Davenport

General Contractor: Russell Construction, Davenport

Concrete Subcontractor: Treiber Construction Co., Davenport

Architect/Designer: Origin Design, Davenport

Engineer: Needham DBS, Lenexa, KS

The recently developed Russell Industrial Park in Davenport, with built-to-suit construction, offers tenants easy access to the region's interstates, airports, river barges and distributor facilities. Building 2, now occupied by Ryder Integrated Logistics, is a 251,000 SF building featuring concrete floors. Over 7,100 yards of concrete was placed in constructing this building. Treiber Construction used their laser screed to finish the slab on grade placements. Their experienced operator and finishers combined their ACI training with proper finishing techniques, while giving real-world feedback from the jobsite to Hahn dispatch and QC personnel to properly service the project and provide their customer a beautiful, durable and high quality floor. This expansive facility is sure to support the operations of its tenant for many years to come!

MID-RISE BUILDINGS CATEGORY

PROJECT SCRABBLE, DAVENPORT

Ready Mixed Concrete Producer: Hahn Ready Mix, Davenport & Manatt's, Inc., Bettendorf

Owner: Seefried Industrial Properties, Inc., Des Plaines, IL

General Contractor: Ryan Companies US, Inc., Des Moines

Concrete Subcontractor: Lewis Construction, Inc., Schofield, WI

Architect/Designer: M+H Architects, St. Louis, MO

Engineer: Structural Services, Inc., Waxahachie, TX

Project Scrabble is a 5.5 story, 4.9 M sq ft warehouse used as a distribution facility for Amazon. The unique aspect of this project were the requirements for extremely large, super flat slabs with excellent durability to stand up to repetitive robot movements as parcels are moved around the facility.

It was important for all slabs to have an even sheen and finish to not disrupt robotic sensors. Extreme care was taken to place such expansive slabs in cold temperatures. The size and scope of this project led the contractor to utilize multiple concrete suppliers on the project. The drilled shafts, slab on grade, and slab on metal deck was supplied by Hahn Ready Mix and the footings, foundations, and paving was supplied by Manatts, Inc. Impressive workmanship by all involved!

COMMERCIAL/INDUSTRIAL DECORATIVE CATEGORY

OAKS ON GRAND, WEST DES MOINES

Ready Mixed Concrete Producer: CTI Ready Mix, Grimes

Owner: Galloway Holdings, LLC, West Des Moines

General Contractor: DCI Group, Des Moines

Concrete Subcontractor: Concrete Technologies, Inc., Grimes

Architect/Designer: Substance Architecture, Des Moines

Engineer: Bishop Engineering Company, Inc., Urbandale

Oaks on Grand is a beautiful new commercial office space in West Des Moines. No detail was spared when making this an aesthetically beautiful setting for its future tenants. The project includes unique architectural features in the design and construction of the amphitheater terrace, seawalls and steps which include colored concrete and acid washed finishes throughout. Three different finishes were utilized for the exterior terrace. Acid etched for the patio and stairs, light sandblast on the concrete seat walls, and standard broom finish for the pond trail. The building itself included polished concrete floors on both levels. The finished product and overall design displays a congruent integration of nature, architecture, and application. The project team did a wonderful job integrating nature into a visually pleasing and very clean building design.

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

SECURITY STATE BANK, NEW HAMPTON

Ready Mixed Concrete Producer: Croell, Inc., New Hampton

Owner: Security State Bank, New Hampton

General Contractor: Larson Construction, LLC, New Hampton

Concrete Subcontractor: Croell, Inc., New Hampton

Engineer: STS Civil, Cedar Rapids

Security State Bank recently opened a new branch in New Hampton. The parking lot of the bank was originally slated to be an asphalt parking lot, but when November hit, and it was time to pave, they were going to have to wait until spring. Concrete to the rescue! The crew moved in during mid-November and the parking lot was completed by the beginning of December. All cold weather concrete, everything had to be heated and covered. Always an extra challenge in the Iowa winters. The clean lines and quality craftsmanship of the parking area and drive are sure to add value to this full-service community bank!

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

MARKER 126 TRAVEL PLAZA, FORT DODGE

Ready Mixed Concrete Producer: Cemstone Concrete Materials, Fort Dodge

Owner: Kevin & Sheila Stumpf, Fort Dodge

General Contractor: Sande Construction & Supply Co., Inc., Humboldt

Concrete Subcontractor: Wicks Construction, Inc., Decorah

Architect/Designer: SANDE Design, Inc., Humboldt

Engineer: McClure Engineering Co., Fort Dodge

This one-of-a kind travel plaza sits on top of the hill as you make your way into the city of Fort Dodge. Providing a family friendly stop to fuel up both your vehicle and your family with healthy food options. The owners saw a need to create a place for travelers on Hwy 20 to stop without driving miles into a nearby town. This sprawling 10,000 SF travel center houses a convenience store, restaurant, and coffee shop. Conveniently located off of Highway 20, the expansive parking lot invites both the everyday passerby to truckers on a long haul. 8,600 CY of ready mixed concrete went into completing this lodge style plaza that uniquely stands out against the cornfields and trees. The owners and project team have created a higher-end experience for the everyday traveler. A must-see gem if you find yourself driving through Webster County!

INFRASTRUCTURE-RECREATIONAL CATEGORY

RANSHAW WAY PHASE 5, NORTH LIBERTY

Ready Mixed Concrete Producer: Croell, Inc., Iowa City

Owner: City of North Liberty

General Contractor: Peterson Contractors, Inc., Reinbeck

Engineer: Shive-Hattery, Inc., Iowa City

This was a multi-phase project to improve the Hwy 965 corridor that runs through the middle of North Liberty, and is a direct connection to the City of Coralville. This roadway improvement project facilitates improved pedestrian and cyclist crossings to access biking and walking trails on both sides of town. The cast-in-place retaining wall and underpass was built in Phase 5 of the corridor project. The focus of the design was not only on safety, but also aesthetics, making for a unique and memorable project. Careful consideration was taken to accommodate for load transfer, drainage, utilities, and seamlessly matching the pre-cast sections of the underpass to the exposed face of the large retaining walls that were constructed on each side of the roadway. The exposed faces of the walls created a blank canvas on which to create an artistic appeal to its future users featuring a dimensional bicycle chain and gear graphic backlit with LED lights. A smooth and uniform finish from end to end, this uniquely designed underpass is a notable feature for the community to enjoy for years to come!

INFRASTRUCTURE-STRUCTURES CATEGORY

WAUKON WASTEWATER TREATMENT PLANT, WAUKON

Ready Mixed Concrete Producer: Croell, Inc., Waukon

Owner: City of Waukon

General Contractor: Wapasha Construction Co., Inc., Winona, MN

Engineer: Fehr Graham, Manchester

When Fehr Graham was brought in to survey and assess the capacity and efficiency of Waukon's outdated wastewater treatment plant, it was determined the city needed to replace the trickling filter plant with an activated sludge plant. The addition was designed to sit adjacent and within the existing plant. Each of the concrete components was custom designed for its unique application. A headworks building with a partial first floor and channels in the basement, oxidation ditch, curved concrete walls, concrete covers at the ends, a multi compartment and function splitter structure,

as well as UV channel with varying width and depth to name a few. Concrete was used as an integral part of the wastewater treatment tanks, channels, vaults for pipe and valves, foundations, and retaining walls. Access through concrete sidewalks and stairs, down to its aesthetic use as floors for the buildings. The form and function of this plant is sure to support the needs of the Waukon community for years to come!

RECREATIONAL TRAILS CATEGORY

COYOTE RIDGE TRAIL PHASE 1 & 2, URBANDALE

Ready Mixed Concrete Producer: Concrete Supply, Inc., Des Moines

Owner: City of Urbandale

GC/Concrete Subcontractor: Caliber Concrete, LLC, Adair

Engineer: AECOM, Des Moines

This is an 8 ft wide trail connecting Waterford Road to the trail connection at Coyote Circle. The trail runs on the east side of the Walnut Creek along the back of the adjacent properties with an additional east/west spur that connects to the existing trail system east of 147th Street. Due to coordination with the reconstruction of Waterford Road, this project was split into two phases. Coordination with utilities and homeowners was critical on this project. The project site is situated within a new housing development. Many yards had already been established with sprinkler systems, dog fences, and other improvements, restricting access and space to work in. Caliber Concrete was careful to minimize encroachment and limit restoration. This limited disruption helped to maintain a positive relationship with adjacent property owners. The project team's attention to detail created clean joints and an excellent surface for bicyclists and pedestrians to safely enjoy this neighborhood.

RESIDENTIAL DECORATIVE CATEGORY

RUSSELL POOL & BACKYARD ENVIRONMENT, IOWA CITY

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

Owner: Trudy & Steven Russell, Iowa City

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

Pool Contractor: McIntosh Pools, Solon

Landscape Architect: Jason Allen, Country Landscapes, North Liberty

Full renovation of a residential backyard environment including the construction of a luxury pool with a one-of-a-kind geometric patio design, artificial grass inlays, and LED light integration on grand steps and risers. The project required significant attention to detail, from work accuracy to precise placement of decorative concrete. Construction of a 6' to 10' tall Redi-Rock concrete block wall surrounding the pool created a large area for entertaining. The pool deck boasts a limestone-colored concrete and features a seamless Roman slate texture for a rich and elegant finish. Formwork was critical on the intricate grid set-up of the concrete squares. Perfect elevation, slope, and shape measurements were essential to the success of the project. One-of-a-kind project design, attention to detail and high-quality concrete products contributed to a stellar finished project that the owners are extremely proud of!

STREETS & INTERSECTIONS CATEGORY

PLEASANT HILL BOULEVARD AND VANDALIA ROAD, PLEASANT HILL

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

Owner: City of Pleasant Hill

General Contractor: Elder Corporation, Des Moines

Concrete Subcontractor: Absolute Concrete, Slater

Engineer: Kirkham Michael, Urbandale

This project involved realignment of Pleasant Hill Blvd between Parkridge Ave and Vandalia Rd. It included a completely new alignment to raise the elevation of the roadway 3 feet above the flood elevation for the adjacent Four-Mile Creek basin. The realignments also consolidated two railroad crossings on the Norfolk Southern Railway into one crossing. This project was designed to transition from an urban section to a rural section, while providing access in the median to several gas pipelines. The intersection was fully signalized to accommodate the large number of heavy vehicles in the area, as well as future traffic. The work was designed to be expanded in several years with the extension of the SE Connector. Forward thinking for a growing population in the SE Metro area!

INFRASTRUCTURE BRIDGES

I-74 RIVER BRIDGE, BETTENDORF—MOLINE

Ready Mixed Concrete Producer: Hahn Ready Mix, Davenport

Owner: Iowa Department of Transportation, Ames

GC/Contractor Subcontractor: Lunda Construction Co., Black River Falls, WI

Architect/Designer: Benesch, Chicago, IL **Bridge:** HNTB, Minneapolis

Engineer: Modjeski & Masters, Mechanicsburg, PA

The I-74 bridge project has been decades in the making. The primary purpose of the project was to provide improved connection among the Quad Cities with additional lanes, adequate shoulders, and provision for safe bicycle and pedestrian access. The corridor combined had over 250,000 cy of concrete placed in a 4.5 year window. It included almost 8 miles of roadway and bridges in Iowa and Illinois. The new bridges carry four full lanes of traffic in each direction with full shoulders on each side. The eastbound bridge supports a cantilevered multi-use trail which features a scenic pedestrian overlook with a multi-colored inlay and 10 ft diameter glass “oculus” insert in the floor, allowing visitors to view the Mississippi River below. The concrete foundation pedestals are impressive architectural elements in their own right, featuring simple lines which follow the trajectory of the arch ribs. This river crossing is not only an asset to the nation’s highway system, but to the local communities surrounding it as well!

SUSTAINABLE PRACTICES

LELY NORTH AMERICA, PELLA

Ready Mixed Concrete Producer: Ideal Ready Mix Co., Inc., Pella

Owner: Lely North America, Inc., Pella

General Contractor: Graham Construction Company, Des Moines

Concrete Subcontractor: Concrete Technologies, Inc., Grimes

Architect/Designer: Substance Architecture, Des Moines

Engineer: Garden & Associates, Ltd., Oskaloosa

Consultant: C-Wise Design & Consulting, LLC, Iowa City

The beautiful new campus for Lely North America covers nearly 60 acres just off of IA-63 near Pella. Lely’s vision of “A Sustainable, Profitable and Enjoyable Future in Farming” means preserving the environment for generations to come. Lely’s goal is to bring their LEED certified physical structures and outside space seamlessly together. Within Lely Park you will see numerous examples of sustainability efforts in action. They have replanted acres of native Iowa prairie grasses,

wildflowers, and native tree species in an effort to manage water flow on the site and create habitat for wildlife. LEED testing was required before the start of the project to measure solar reflectance of the concrete paving mix. The mix used for the paving portion of the project was an IDOT C-SUD-C35% mix, and slag was used on the interior floors in order to reduce the total cement use. A conscious effort to sustain our environment for generations to come!

For photos of the Excellence in Concrete Award winners please visit concretesate.org

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

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