



## Committed to Expertise



Since 1946, Mid-States Concrete Industries has produced structural and architectural precast concrete systems that provide our partners with high quality building materials with sustaining performance.

With dedicated [preconstruction](#), [engineering and design](#), [project management](#), [production](#), and [installation](#) teams, Mid-States has what it takes to meet your precast needs and find the right solutions for your projects.

Your project starts with our Preconstruction team, which boasts more than 140 years of

combined experience. The team includes dedicated sales professionals, estimators, and a preconstruction engineer to get your precast project off to the right start. Our sales professionals are eager to talk with you about upcoming projects and, with the expertise of our preconstruction engineer, help you design your precast project. Once we have worked together to create drawings, our estimating experts will put together an all-inclusive proposal for your review.

Nicole Shelton, Project Manager, CHC, with [CORE Construction](#), said she appreciates the ability to ring up Troy Yaun, one of Mid-States Preconstruction Sales team members, and bend his ear about how the precast schedule works and get details to help her prepare for a future project and accommodate that schedule. She recently worked with the Mid-States team on CORE's El Paso-Gridley CUSD project, which included nearly 5,000 square feet of [Hollowcore](#) and Solid Slabs and 178 [Wall Panels](#).

"I know that our preconstruction team really appreciates the collaboration of Mid-States on the design of the project," Shelton said.

Once your team has awarded the precast portions of your project to Mid-States Concrete, it heads to our Engineering and Design team. With more than 100 years of combined experience, our Engineering and Design team asks questions and listens to your objectives and goals so we can apply the latest design and engineering techniques to your projects. Once our drawings are approved by your team, we'll send shop drawings to our production team to get to work on the manufacturing of your project.

Often working simultaneously with Preconstruction and Engineering and Design, our Project Management team focuses on how to install your precast components in the most effective way for your jobsite. With more than 70 years of combined experience, our Project Management team works with your team to ensure access to the project site, the right size crane, the best sequence to install the precast concrete, the number of loads to deliver per day, and so much more.

"I've always been impressed by Mid-States' communication and making sure we are looking ahead at things and making sure we are trying to get ahead on issues or anything that may come up in the future," Shelton said.

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## Committed to Quality



When it comes to ensuring the quality of the products manufactured by Mid-States Concrete Industries, our team has 11 dedicated team members focused entirely on [Quality Control](#).

Our quality program is based on [PCI Certification](#) AC, C3 and B3-IL, as a PCI Certified Producer. We are also an S2 Certified Erector through PCI.

For example, Mid-States Concrete Industries completes a 300% inspection on our [beams and columns](#), which includes a rebar cage inspection, pre-pour quality inspection, and post-pour quality inspection.

“PCI requires we check all those things, but not to the detail Mid-States does,” said Jeff Morris, Quality Manager.

“Mid-States does quality by the book and that book is our Quality System Manual, based off of MNL 116 & MNL 117, and ACI and ASTM standards,” added Mike Wolff, Vice President of Safety and Quality.

Mid-States also boasts a comprehensive internal training program for Quality Control, with the ultimate goal that all QC Inspectors are at least PCI Level II certified, and all foremen are PCI Level III certified. Currently, almost all inspectors are ACI field testing technician grade I.

For a beam, our 300% inspection begins in Cage Tie. At that stage, our Cage Tie team members refer to prints and cut the steel and bend all the stirrups in house. Then, they lay out the components and build the actual cage. Following that, a QC technician comes over and double checks all measurements, stirrups, etc. for accuracy against the engineered drawings. All mill certs are tracked and stored electronically.

Then, the cage gets transported over to our Wet Cast facility and put into the formwork. Prior to the cage being placed in the formwork, a QC technician checks the form for cleanliness, oil, elements, etc. to make sure everything is where it belongs.

From there, the QC pre-pour check takes over. The QC technician verifies placement in the form and all other embed materials, checking all measurements and tolerance, that all grout tubes are in the correct locations, and check every dimension.

“This is ensuring both the engineer and the customer are getting exactly what was designed,” Wolff said.

Then, we pour the concrete, which goes through a fresh concrete test every day, testing for air content of the concrete, spread/slump, temperature, and VSI. It is important to note that ahead of batching, all components of the mix design are verified to meet quality standards and a batch test is completed.

Our Quality Control team member remains present during pouring to make sure it is done per standards and samples are made as we are pouring. Then, we let the piece cure.

The next day, the product is stripped from the bed and taken out to the berms where a third QC technician inspects the finished product, verifies all dimensions, and makes sure it looks aesthetically pleasing. Any cleanup work that needs to be completed is handled by the detail

crew, inspected again, and then marked ready to go for the customer.

When issues are found, Mid-States Concrete knows just what to do. The team holds weekly meetings to discuss any quality issues in the field and find ways to rectify these in the plant - before they ever make it to the jobsite. And on an annual basis, our Quality System Manual is updated and approved by PCI.

“The PCI Certification Program is the gold standard in my opinion,” Wolff said. “With PCI, we get two unannounced audits every year which entails a comprehensive audit of all our systems and our products. This audit process ensures we are following quality processes correctly (all the time). Even when no one is watching.”

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## Precast Chalk Talk: Episode 41



In this episode of Precast Chalk Talk, learn more about Precast Beams and where it all beings

- in the Bones Factory - with President Hagen Harker.

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## About Mid-States Concrete Industries

Since 1946, we have produced structural and architectural precast concrete systems that provide our partners with high quality building materials with sustaining performance.

The biggest part of our story is you - our clients. For more than 75 years, you have trusted us to help with your projects. Each project offers its own unique goals and opportunities. We partner with you to find the right solutions for your project.

[Learn more >>](#)

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