

inFORM

NEWSLETTER

DELTA

your precast engineering solution



THE PRECAST SHOW



Delta Precast will be at the Precast Show March 3-5, 2022 in
Kansas City, MO!

Delta Precast is growing!

Welcome to the team, Alaleh & Sam!

Samuel Lauber, PE

Mr. Lauber has joined the Specialty Precast Group as Senior Project Engineer. Sam has over 20 years of varied civil and structural design experience, primarily focused in the industrial, commercial, and federal market sectors. He specializes in underground concrete engineering design and structural evaluation for both precast and field-placed concrete. Additionally, Sam has expertise in the following areas: case studies, modular design, constructability reviews, and hot/cold weather engineering. The type of projects Sam has worked on ranges from petrochemical facilities, residential buildings, expeditionary structures, to military based strategic planning and rebuilding, making him a valuable addition to the Delta Precast team.

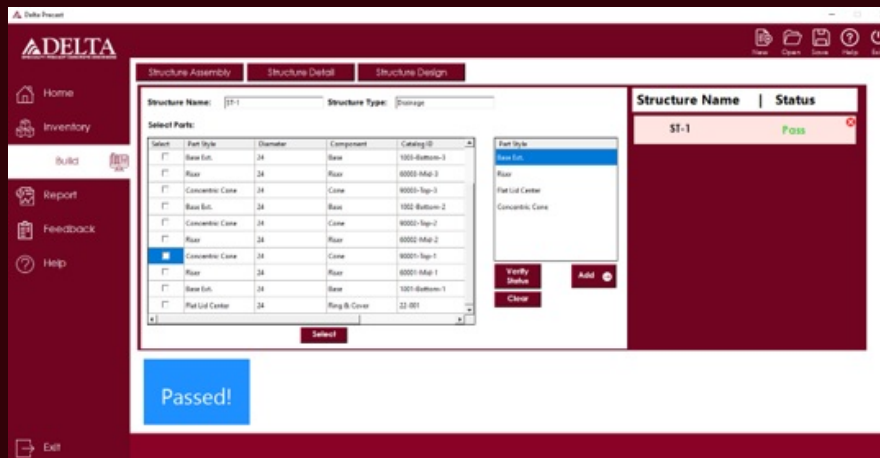


Alaleh Tavakoli, PHD

Ms. Tavakoli is a Senior Structural Engineer in the Specialty Precast Group. Alaleh has over 19 years of experience in structural engineering, specializing in precast concrete design. She has overseen design and production drawings for numerous projects including commercial and residential multi-story buildings, industrial buildings, schools. She has also provided structural design for mission critical facilities such as data centers. Alaleh is also well-versed with research and development tasks with a focus on finite element analysis and determining the feasibility of utilizing new materials.



Coming Soon: New DP Software!



DP Estimator is a collection of material take-off software for various precast products that provides accurate deliverables for engineers, contractors, and producers. New to the collection is **DP Manhole** which can be used to produce a varied set of detailed drawings and bill-of-material reports configured to your requirements that readily assists you with the production of precast structures.

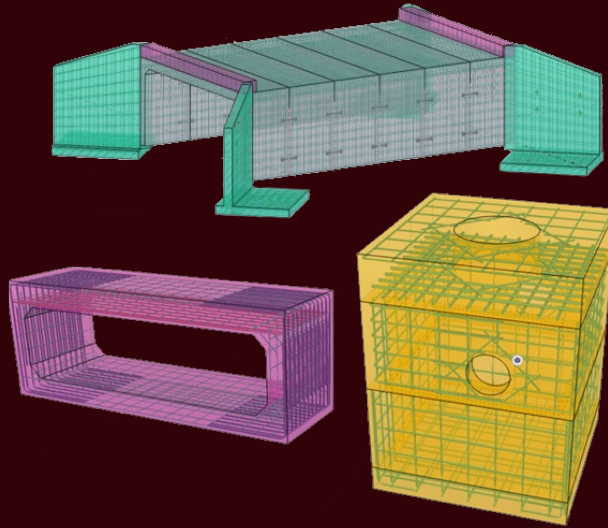
Key Features:

- Submittal and shop drawings
- Bill-of material reports
- User Friendly Interface
- Export to Cad Software

We work smarter and more efficiently.

Delta Specialty Precast offers BIM solution for accurate precast detailing.

Delta's Structural BIM Modeling services such as detailing, drafting and 3D modeling combine analysis and advanced design capabilities to ensure safer designs and more cost savings. Our precast detailing services provide more secure schedules, exact material take-offs, and fewer errors in design increasing the chances to speed up the construction process.



Sound Walls



commercial operations like Amazon or FedEx facilities that have a lot of truck traffic near residential housing.

Sound walls are becoming a large part of the landscape these days. They are applicable for use in a variety of market sectors, such as local government, commercial and residential. Whether they are keeping noise in our out depends on their placement and how they are used. They are constructed with varying types of materials such as steel, concrete, aluminum, and acrylic materials. Concrete is one of the most specified and utilized materials. Precast concrete can be textured, stained, painted, and even cast with specific murals to highlight a subject that a region is known for or wants to bring special attention to. One application that is seen across the county is on major highways near residential housing. They are used to block noise pollution from the nearby neighborhoods. Another growing use is at large

Let us design the heavy lifting for you!

*We understand that time is the critical element in providing **Contractor Support Services**. Our engineers deliver quality designs quickly and efficiently to ensure your project success. For more information, visit our [website](#) or contact [Brian Haas, PE](#).*

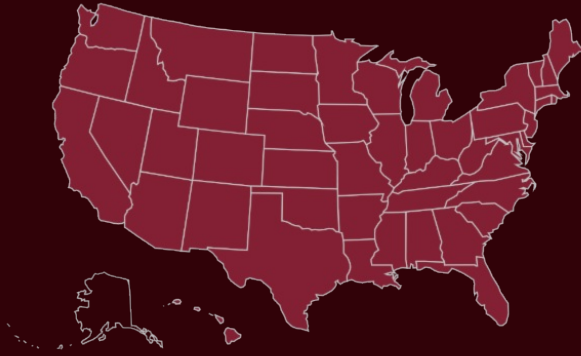


Schoellkopf Road Bridge

This project involved the removal of the existing Pratt through truss bridge and replacement with a new timber truss-supported covered bridge. The existing pin and hanger style bridge was approximately 101 feet long, 17 feet wide, and weighed 28,000 lbs after the removal of the 47,000 lb timber glulam deck. The bridge was removed in one piece and set to the side for disassembly on the ground rather than over water, removed from the site, and rehabilitated for use at the Wyoming County Fairgrounds. The new covered bridge is approximately 115 feet long, 18 feet wide, and each timber truss weighed 57,000 lbs. Each truss was picked individually with the first one being temporarily laterally supported against a steel slider beam. All picks were done with a 350 ton hydraulic boom crane and all the steel members from the existing truss and timber and cable members from the new truss were checked for tensile and

compressive forces and capacities for the reversal of forces when picked by the top chord.

Construction of the new covered bridge is nearly complete.



Licensed to provide structural design and detailing services in 49 States and the District of Columbia.

- DESIGN SERVICES
- BOX CULVERTS
- UTILITY VAULTS
- NOISE WALLS
- ARCH BRIDGES
- REINFORCED CONCRETE PIPE
- MANHOLES
- RETAINING WALLS/WINGWALLS
- BUILDINGS
- SEPTIC TANKS
- PRESTRESSED BRIDGE BEAMS
- ARCHITECTURAL PRECAST
- DP SUITE SOFTWARE SUBSCRIPTIONS
- CONTRACTOR SUPPORT SERVICES

Delta Precast is a national leader in precast design. For over 25 years, we've been serving the precast concrete manufacturing industry with engineering and design consultation services including structural design, shop drawings, erection plans, quality control plans, and technical consulting.

Contact [Tamer Osman, PE](#) to discuss your next project!



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