PIPELINE

Fall 2018

ALDRIDGE

Spotlight On Award

Matt Bill was recognized as going above and beyond in his role as Project Manager in the Highway Division and was awarded our Spotlight On recognition. When an on-going job was in sudden need of a Project Manager, Matt volunteered to lead the project in addition to his 4 current jobs. Having successfully worked on similar projects for the same client, Matt knew he would be the best choice to finish the job. His willingness to accept the additional workload was not unnoticed as he received commendations from Division Manager, Jim Dote, who presented him with the Spotlight On Award in January.

Laurie Bond was honored with the Spotlight On Award in July, from Executive Vice President, Frank Manna. Laurie was instrumental in Aldridge's 3rd successful Safety Week event. She successfully organized and distributed all Safety Week messaging, signage and apparel to a complicated network of projects across the country. As Frank's executive assistant, Laurie is the go-to person for everything related to the Midwest Transportation Group. Frank went on to say that Laurie makes Aldridge a better place to work and truly exemplifies the Aldridge Way.

Brian Floral was acknowledged for his hard work as Lead Estimator. His oversight of all bids related to the Transportation market has resulted in a steady stream of wins and has earned him accolades over the years. Currently, Brian is leading the proposal efforts on a mega project in addition to his typical responsibilities; a clear example of his going above and beyond. Vice President, Lynn Meersman presented him with the Spotlight On Award at our quarterly LINC meeting.

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On the Cover

In this edition of the Pipeline, we are highlighting our bridge building services. Shown on the front cover, the rehabilitation of Adams Street Bascule Movable Bridge was a complex, multi-modal project involving rail, roadway, and waterway traffic. Turn to page 4 for more information on this iconic bridge project.

A Message From Steve & Alex Aldridge

This issue focuses on a widely used resource across the world: bridges. Bridges help tie together communities, enable commerce, and provide access to everything from healthcare to education. Historically, Aldridge has always been drawn to complex projects to which our people have passion toward. Through the years this has resulted in a long resume of different types of bridges all over the world, and you will see many of those projects highlighted in this issue of the Pipeline.

To most of the motoring public, bridges may seem simple. For the builders reading this, you know how much goes into bridge construction. As next-generation family members, we came up working in the field side-by-side with union professionals and management who to this day, still help us build our projects. As we grow the business we still see a lot of the same faces who go the extra mile to build our reputation. We want to thank the technical experts and people in our workforce who help us build these projects safely, on budget and exceeding expectations. At Aldridge, we call them subject matter experts and we embrace them. Construction is not an exact science and when the going gets tough, you need technical expertise. When you are awarded a contract, you need experts to help plan the job. At Aldridge, we embrace the technical people because they are the difference makers. Thank you for all of our employees both new and tenured who help us execute on our mission every day.

- As always, stay safe -

Steve Aldridge, COO

Alex Aldridge, COO

Safety Helmets

Aldridge is always looking for ways to improve and better protect our employees. We remain focused on our IIF – Incident and Injury Free – commitment. In recent years, through analyzing head injury data in the construction industry, we realized that the hard hat — arguably the most essential piece of PPE — has stayed more or less the same for decades. It only provides protection for impact to the top of the head. The old hard hats offer no protection in the event of slips, trips, and falls, in situations where your head snaps back, or falling from a height. With any type of fall, the traditional hard hat will fall off. The construction industry is shifting to better head protection.

Aldridge is part of the 1st wave of construction companies to supply a new safety helmet to their employees. These helmets are at the forefront of industry standards providing an ergonomic fit for better head protection with protection against electrical shock, multiple attachable accessories, and an integrated chin strap. The strategically placed foam padding offers critical frontal, rear and side impact protection while the chin strap keeps the helmet in place.

By making this change, we better protect our employees and make sure that everyone goes home safe to their families every day.

BUILDING

Since 1990, Aldridge has been completing scopes of work for bridges across the country. Currently, over 10% of the bridges in the United States are in serious need of repair. The work to repair these bridges will soon become paramount to public safety and maintaining structural adequacy. Aldridge is a part of many teams that are rebuilding bridges to provide safe access to thousands of people who use them every day.

I-74 Mississippi River Bridge

Aldridge is currently working on the I-74 Mississippi River Bridge project in Bettendorf, Iowa. In a joint effort by the Iowa and Illinois DOTs, the new bridge is part of a regional plan that will bring improved access and traffic flow across the river and to the Quad Cities.

The new bridge will feature dual basket-handle arches with main channel spans of 800 feet and will be nearly double the width of the existing bridge supporting six lanes in each direction. Our scope of work includes street and LED architectural lighting, miles of suspended conduit under the bridge for future expansion between the states, the network of power necessary to ventilate and illuminate the arches, and electronic sensor equipment to constantly monitor the structural health of the bridge. Aesthetic lighting calls for color changing LED lighting that flanks the arches. The project team identified several pre-fabrication solutions. For example, early layout coordination allowed for conduit fabrication for each of the arch sections (six 60' long 3" steel conduits) to take place off-site rather than over the Mississippi River. By utilizing an off-site shop, both worker safety and project schedule were improved. Construction of the new bridge is scheduled for completion in 2020.

FREDERICK DOUGLASS MEMORIAL BRIDGE PROJECT

Aldridge has teamed up with South Capitol Bridge Builders on the Frederick Douglass Memorial Bridge Project in Washington, D.C., the largest project in DDOT history.

As part of the Anacostia Waterfront Initiative Program, this project is concentrated on transforming the shores of the Anacostia River into a waterfront destination. A couple unique elements were incorporated into the bridge design to increase capacity for both vehicular and pedestrian traffic. First are the traffic ovals at the east and west bridge abutments that connect I-295, Suitland Parkway, and South Capitol Street. The second unique element is the dedicated pedestrian walk that spans across both sides of the bridge and around each oval. The pedestrian walk that spans the bridge includes four observatory decks, which provide unparalleled views of the D.C. waterfront.

Aldridge's work began in June 2018. Our scope includes roadway lighting, bridge lighting (aesthetic and navigational), sign structures, traffic signaling, ductbank, communication and Intelligent Traffic Systems (ITS). Aldridge is also installing the building distribution equipment located under the bridge and will supply power, lighting, and ventilation inside the arches for maintenance workers. Construction is scheduled to be complete by 2020.

BRIDGES

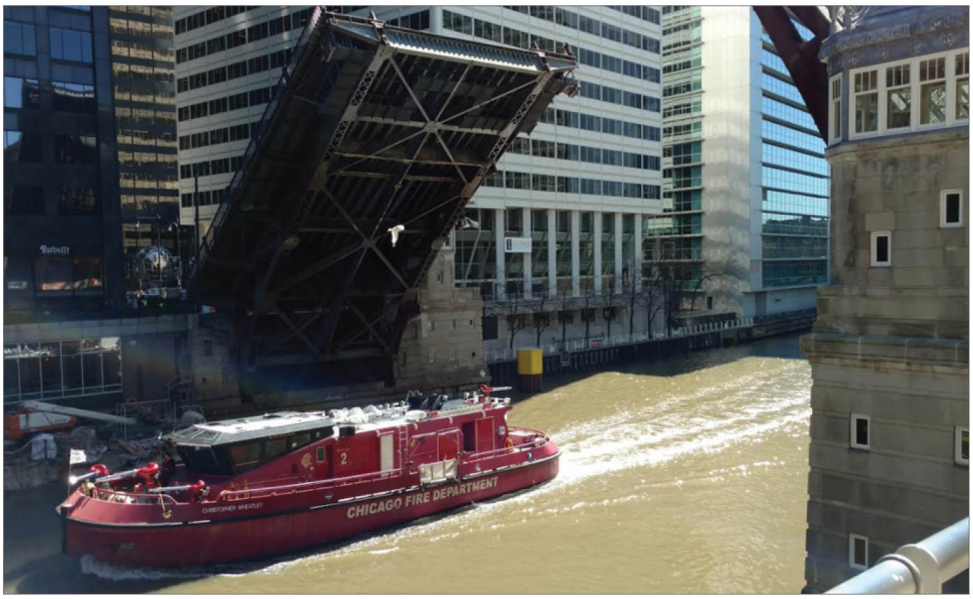
ADAMS STREET

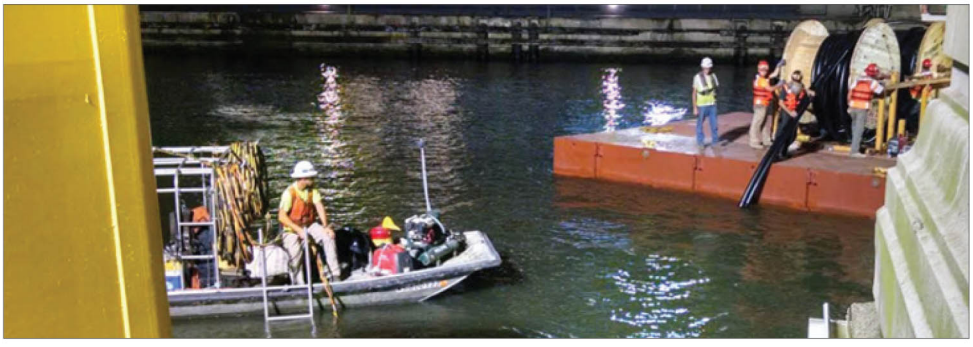
The Adams Street Bridge is one of Chicago's iconic bascule bridges, providing access over the Chicago River for commuters in downtown Chicago. The Chicago Department of Transportation (CDOT) closed the bridge for 13 months to allow for construction to take place. The three lanes of traffic, including two sidewalks, see more than 50,000 pedestrians and 15,000 vehicles daily. Aldridge operated and controlled the bridge operations during the duration of this project. Aldridge team members were trained by CDOT inspectors on bridge control and operations in order to lift the bridge. These employees lifted the bridge for the bi-annual migration of thousands of sail boats to and from Lake Michigan.

Crews installed 600' of submarine cable to tie-in the West and East Bridge Houses across the Chicago River with the use of barges and a tug-boat; because of limited access for equipment installation, Aldridge engineered a solution to maneuver the electrical bridge equipment utilizing barges, hoists, and cranes. This project required the coordination of numerous agencies, including CDOT, Amtrak, Union Station, ComEd, and the Coast Guard.

Aldridge installed the ductbank inside the reconstructed viaduct structure, improved the Adams/Canal Street intersection, installed new street lighting and traffic signals, improved roadway draining, and improved the structural and electrical components of the Adams Street Bascule Bridge.

The Adams Street Bascule Bridge and Viaduct Reconstruction Project won 'Best Project' by ENR Midwest.





Aldridge Cares

BRIDGES TO PROSPERITY

Bolivia 2018

Team Aldridge

Building and Strengthening America's Infrastructure

South

In June, ten Aldridge employees traveled to a remote village in the mountains of Bolivia to build a suspension footbridge that would help bring the community better access to critical government resources, markets, education, and healthcare.

After 3 days of travel to reach the mountain town of Santa Rosa, Team Aldridge was greeted by a community eager to get to work. The bridge covers an impassable area of the river closest to their homes. Bringing this bridge to their community means less time traveling by foot to avoid the dangerous waters below. High waters meant limited access to crucial areas within the municipality. One example of how this bridge will change the lives of the villagers is in the time spent traveling to and from school. Prior to the bridge build, children walked six hours to school, spent their weeknights in a community sleeping quarter, then walked six hours back to their homes for the weekend. The completion of this bridge means that children could come home every day, teachers could travel to work easier, and more resources would be available to the villagers.

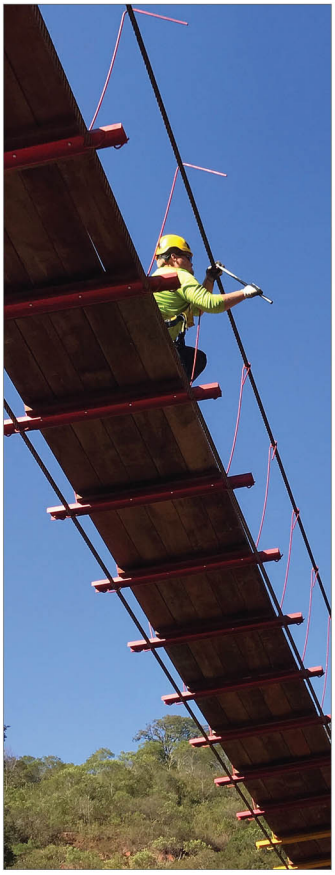
Over the course of two weeks, Team Aldridge with the help of Bridges to Prosperity and the villagers, worked together to complete one of the most physically demanding feats most of them have ever done. They spent their days hard at work, and their nights playing soccer with the children. When the Team realized that field lights would allow the children to play a little longer, they organized a plan. The Team secured and installed new LED lighting at the soccer field as an additional gift to the community.

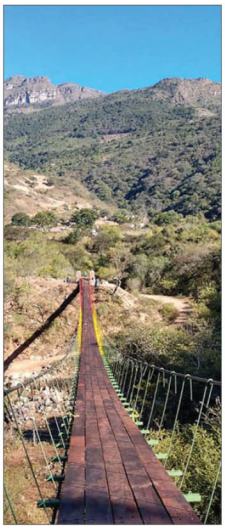
The experience changed the lives of everyone involved. Aldridge is proud to be a part of this incredible cause and looks forward to many more years of bridge builds in partnership with Bridges to Prosperity.

Congratulations and thank you to the hard workers of Team Aldridge who spent time away from their homes and families to make this bridge a reality.

Team Aldridge (left to right) Richard Siebert, Jake Goudreau, Brian Schlemm, Jacob Seim, Jason Redfern, Alex Escatel, Mark Carani, Erin Bradley, Roberto Varelo, and Heidi Hood.

ALDRIDGE





Project Highlights

10R-28L Safety & Security - FAA ASR-9 Facility and Tower

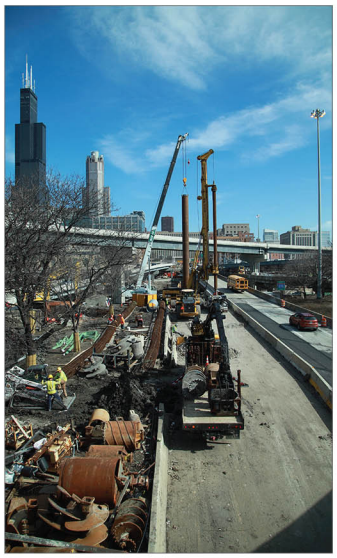
As part of the final phase of the O'Hare Modernization Program (OMP), a new FAA ASR-9 Facility and Tower was constructed to replace the existing tower that was in conflict with new airfield pavement.

This prime contract for the Chicago Department of Aviation included exterior and interior electrical work at the ASR-9 Building, with the complete installation of the 86-foot tall ASR-9 Tower including the drilled shaft foundations, steel erection, and electrical.

Aldridge installed the security fence and 4,000 feet of electrical ductbank required for communication and fiber cables. In addition to the ASR-9 Facility, Aldridge's scope included the installation of roadway signs and complete relocation of the O'Hare National Weather Service Main & Backup Weather Stations. Aldridge is positioned for a successful completion in September of 2018.

Rehabilitation of Congress Parkway Viaduct

The Jane Byrne (formerly known as the Circle) Interchange is one of the slowest and most congested highway bottlenecks in the nation with more than 300,000 vehicles traveling through on a daily basis, and over 1,100 crashes reported on average per year. Built more than 50 years ago, high traffic volumes, single-lane ramps and tight curves make the interchange prone to congestion which causes it to operate under breakdown conditions for most of the day. The Illinois Department of Transportation began a 5 year improvement program in 2014.



As part of this program, Aldridge installed the foundations for the I-290 bridge over I-90/94. The work included drilling shafts via two methods; under slurry to keep the shafts open during concrete pouring or utilizing permanent casing to avoid squeezing clay. One foundation required an alternate design due to its location near the CTA Blue Line tunnel below ground and the recently completed I-290 on-ramp overhead. Our solution included oscillating permanent casing past the CTA tunnels under restricted headroom and belling the foundation on top of suitable bearing material. The Aldridge commitment to being Incident and Injury Free (IIF) was critical to our success working on a multi-tiered interchange adjacent to heavy vehicle traffic as well as functioning transit tunnels. For more information on the program, visit circleinterchange.org.

Secondary Network Mitigation

Aldridge has been working in South Bend since 2015 when we began the Secondary Network Mitigation project. The goal of the project includes the removal and replacement of existing cables and connections that pose a reliability risk. As the project developed, we expanded our services to additional cities including Muncie and Fort Wayne. In a matter of months the program evolved to include nearly 30 employees working across 5 towns.

During these installations, Aldridge was responsible for maintaining traffic control, landscape restoration, pavement replacement, and constant communication with the municipalities. On the roadway, Aldridge worked within one closed lane while the remaining 3 lanes stayed open, having no shoulder to stage materials, and having to use only hydro-excavation to minimize any damage to existing utilities. Since project start, nearly 100 miles of cable have been replaced throughout the state of Indiana.

Spotlight On: Movable Bridges

For over 30 years, Aldridge has been executing comprehensive scopes for complex movable bridge projects. These projects require close attention to logistics as they must remain operable during the project. As the electrical contractor, Aldridge assumes the responsibility of the bridge operation throughout the construction phase and coordinates closely with the numerous stakeholders.

Lift bridge construction requires technical expertise to engineer, plan, and execute the final systems integration. The final component of bringing a lift bridge to completion involves integrating the new systems to full functionality with the conditions of the existing bridge. Aldridge subject matter experts have a long history of successfully executing lift bridge construction projects.

Congress Parkway Bridge, IL

Typical scopes of work include:

- Programmable Logic Controllers (PLC) based integrated bridge control systems
- Submarine and aerial control systems
- SCADA and video surveillance
- Emergency power backup systems
- Marine navigational lighting
- Vehicle warning gates and vehicle resistance barrier gates

Previous Movable Bridge Experience:

Adams Street | Congress Parkway | Cermak Road
Michigan Avenue | Brandon Road | Ruby Street
Jackson Street | Cass Street | Jefferson Street
McDonough Street | Lake Shore Drive

Safety Week 2018

Los Angeles, CA

Aldridge Headquarters, IL

Jersey City, NJ

Moundsville, WV

Bonita, CA

Bethlehem, PA

Libertyville, IL

Port Aransas, TX

Williamsport, PA

Norfolk, VA

Washington, D.C.

Memphis, TN

Everglades, FL

For more information on Safety Week, visit constructionsafetyweek.com

People on the Move

Ed Kutschke | Executive Vice President

We are pleased to welcome Ed back to the Aldridge Executive Team. In his new position, Ed's primary objective is the development of our Mid-Atlantic Transportation Group. He will provide focused operational oversight in the Mid-Atlantic. Ed's history with Aldridge combined with his recent experience on the East Coast ensure a successful outcome as we expand our Mid-Atlantic presence.

Paul Legg | Vice President, Civil Foundations

Paul has served as a Vice President within the Transportation Group for several years, playing a pivotal role on the Executive Team. His new responsibilities focus on civil work utilizing his 25+ years of civil construction experience to grow the Civil Foundation market on a national level.

Lynn Meersman | Vice President, Estimating & Marketing

For more than a decade, Lynn has been directing Estimating and Purchasing with huge success. Her leadership has been instrumental in achieving record backlog numbers and cultivating a distinct and unrivaled bid strategy. In her new role as Vice President, she will continue to lead Estimating and will oversee Marketing.

Pat Nugent | Vice President, Midwest Transportation

Since 2004, Pat has played a vital role in the growth and development of Aldridge's Airport Division. As Division Manager, he built a reputation as a strong leader and strategic thinker. In his new role as Vice President, Pat oversees operations for Midwest markets including Aviation, Industrial & Water/Wastewater, and Federal.

Krista Roberts | Vice President, Talent Management

Krista joined Aldridge in 2010, starting her career at Aldridge as Marketing Manager and soon after assumed the lead role in Talent Management. As Vice President of Talent Management, she will continue to drive strong talent acquisition practices, corporate training, as well as internal communications and employee relations.

Tom Tucker | Vice President, Business Development - Power

Tom joined Aldridge in 2006 quickly establishing himself as a go-to person for building customer relationships. As the Utility market expands, Tom is instrumental in securing and maintaining work with new utilities. As Vice President of Business Development, Tom will continue to establish Aldridge as the 'contractor of choice' for utilities across the country.

10 & 25 Year Club

Aldridge prides itself on our valued employees. Each year, Aldridge recognizes it's long-time employees for their dedicated service. Welcome to the newest members of the 10 Year and 25 Year Club!

10 Year

Kyle Arndt
Nick Cullen
Jon Hoefflour
Tobias Hogan
Jennifer Hudock
Pat Laud
Brian Lother
Steve Ochoa
Pat Pineau
Herschell Shireman
Robert Skandera
Roger Steadman
Sam Terranova
Michael Thoune
Dan Tinkes

25 Year

Dennis Alexander
Jeff Becker
Tim Bradley
John Burke
Chris Cotey
John Ficetti
Rene Fillion
James Goelz
David Kallas
Kevin Kukulka
Frank Manna
Jeff Miller
Gregg Pendley
Chad Pierson

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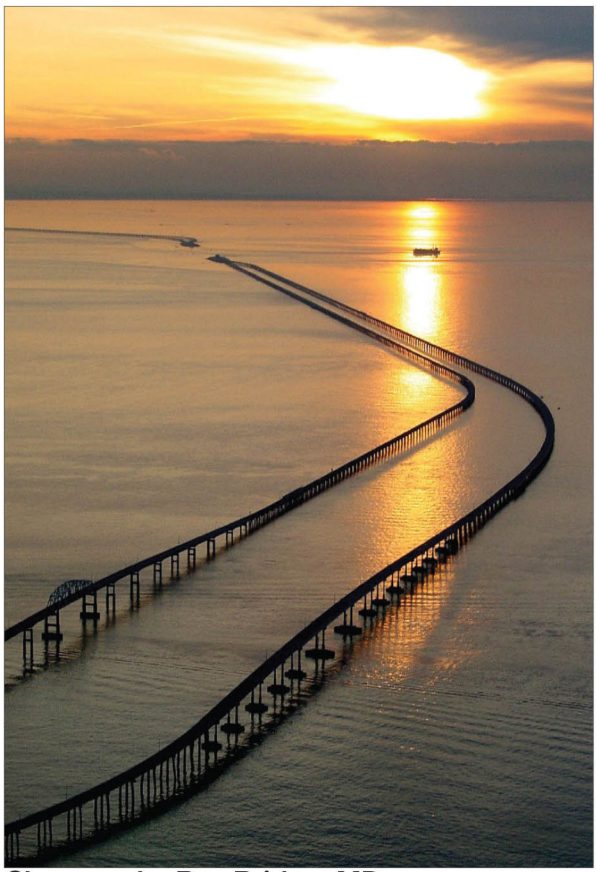

Chesapeake Bay Bridge, MD

Norfolk and Southern Railroad Bridge over Calumet River, IL

Indian River Bridge, DE