A newsletter for members of the American Concrete Pipe Association

ACPA Meetings and Events | Contacts | concretepipe.org

**TOP STORIES**
- Concrete Pipe Week: Accelerating Durable Construction
- Governor Signs Proclamation for National Concrete Pipe Week in Arkansas
- New Concrete Pipe News Released in May
- Plan to Attend Quality School June 28-30
- New Member
- Spotlight on Associate Members

**LOCAL ASSOCIATION NEWS**
- 2015 Project Achievement Award Plaques to the Michigan DOT Design Squad
- CCPPA Releases Spring Issue of Concrete Pipe Journal
- Article by Jason Kruger Published – The Right of Minnesota Engineers to Decide Pipe Material Could Be At Risk
- Arkansas Chapter-APWA Spring Conference Report
- Article on 2015 ACPA Project Achievement Award Published in MDOT e-news

**GOVERNMENT RELATIONS & SAFETY**
- Concrete Day Celebrated at the Colorado Capitol on April 29
- Crossing Paths

**INDUSTRY NEWS**
- Corroded Culvert is the Blame for Moraga, CA Sinkhole
- Haarup North America is Expanding
- Michael Kusch Awarded 2016 ASCE Distinguished Service Award
- City of Regina Replaces Bridges with Precast Boxes
- The Latest, with Added Value

**TopStories**

Concrete Pipe Week: Accelerating Durable Construction

The American Concrete Pipe Association is celebrating Concrete Pipe Week from August 14 to 20, by requesting a proclamation from state Governors to recognize Concrete Pipe Week across America. An information package including contact coordinates and a draft letter addressed to the Governor has been distributed to contacts of member companies.

For answers to questions about the proclamation process or assistance in coordinating your activities please contact Walt Catlett at 501-804-6140 or Grant Lee, if you have questions.

Concrete Pipe Week recognizes the significance that the reinforced concrete pipe and precast industry has in community quality of life, and affirms the contributions of the concrete pipe and precast industry to each State and Province. Concrete Pipe Week is a time to recognize the contributions of ACPA’s associate members; steel producers, form producers, casting producers, the trucking industry, sand and rock producers, cement producers, contractors, academia and everyone associated with the buried infrastructure industry and the products this industry requires.

This year’s theme is “Concrete Pipe and Precast: Maintaining Resiliency”.
Arkansas Governor Asa Hutchinson signed a proclamation on March 24 declaring August 14 through August 20, 2015 NATIONAL CONCRETE PIPE WEEK IN ARKANSAS.

New Concrete Pipe News Released in May

The new Concrete Pipe News was released in May. The publication incorporates social media networks, traditional print copies, blogs, video, website archive, short summaries of complex projects, and promotion of the member companies that contribute content.

There are icons on the cover to navigate more quickly to stories of interest, and quick links to social media sites.

The publication will be distributed in April, July, October and January. Read the flip page file, give the authors feedback on their article using the blog feature with each article, and then download and print a pdf archived on the ACPA website.

Click here to read the latest edition.

Plan to Attend Quality School June 28-30

June 28 – 30, 2016 – Irving, Texas
Westin DFW Airport Hotel

Registration Fee for the Quality School is $500.00
Nonmember Fee for the Quality School is $1000.00

Cutoff date: June 10, 2016

Click here to register.
Sika Corporation U.S., based in Lyndhurst, NJ, is a leading supplier of specialty chemical products and industrial materials serving construction and industrial markets including transportation, marine, and automotive. Its technologies are focused on sealing, bonding, damping, reinforcing and protecting. Sika’s product lines include roofing, concrete admixtures, specialty mortars, epoxies, structural strengthening systems, industrial flooring, sealants, adhesives, specialty acoustic and reinforcing materials.

Sika Products are used in a wide array of applications and always fulfill the highest quality standards.

Sika Corporation U.S. is headquartered in Lyndhurst NJ and employs more than 1,400 people in 17 manufacturing, two R&D facilities, and sales and marketing offices throughout the country. Sika Corporation is the largest company of the Sika Group, a global leader in specialty chemicals for construction, industrial and automotive markets.

Established in 1937
201 Polito Avenue
Lyndhurst, NJ 07071
T: 800 - 933 - 7452

Contacts:
Vjtech Tauber, Product Marketing Manager
Jeremy Chilton, Director of Marketing
Renee Minieri, Senior Marketing Coordinator
Jamie Gentoso, Vice President

BFS
Betonfertigteilesysteme GmbH
www.bfs-casagrande.de

Established 1980.

Baumgärtner GmbH, was acquired by the Italian Casagrande Group in May 2002. Baumgärtner GmbH trades under the name of BFS Betonfertigteilesysteme GmbH. The company Casagrande Spa employs 350 worldwide with offices in Blaubeuren, Germany and Fontanafredda, Italy producing manufacturing machines, moulds and handling systems for reinforced and non reinforced concrete pipe (including jacking pipe), manhole risers, manhole bases, septic tanks, oil and grease separators, and wet cast concrete paving stones and plates.

SKAKO, Inc.
www.skako.com

Established 1975.

SKAKO manufactures concrete production and distribution equipment for making concrete for pipe and precast plants. The company specializes in designing and installing complete concrete production plants on a turnkey basis for reducing unit costs when making concrete. It offers high and low-profile aggregate batching plants, prewired modular and mobile batching and mixing systems, APOLLO Counter-Current mixers, CONFLEX Bucket Conveyors, SKAKOMAT concrete plant control systems, and aggregate proportioning equipment featuring SKAKO Vibratory Feeders. SKAKO provides equipment to customers in more than 40 countries to include parts and service, particularly its Service Management Contracts that help optimize performance of SKAKO concrete plants.
Local Association News

2015 Project Achievement Award Plaques to the Michigan DOT Design Squad

On Thursday, April 21, Woody Rigdon (ACPA) and Jim Washabaugh with Northern Concrete Pipe presented 2015 Project Achievement Award plaques to the Michigan DOT design squad responsible for the project details as well as the Davison TSC Group, who were responsible for overseeing the construction of the project.

The scope of the project consisted of all structural elements being precast including 24 foot by 12 foot precast box culverts. Accelerated Bridge/Precast Construction (ABC/APC) characterized the project where the old culvert was removed, the new one installed, and paving completed in less than two weeks.

MDOT senior management arranged for the presentation to be held at a leadership meeting. It was an excellent opportunity to highlight the innovation of the designers, versatility of precast concrete products, and commitment to service and quality of Northern Concrete Pipe.

CCPPA Release Spring Issue of Concrete Pipe Journal

The Canadian Concrete Pipe & Precast Association published its spring Issue of Concrete Pipe Journal

Content:
- Canadian Highway Departments Exploring Trenchless Technologies
- Manitoba Tunnels with RCP to Replace Rusted CSP
- Assessments of Gravity Pipe Systems - Initial Pipe Cost Not The Primary Consideration
- Black Fibre Pipe - Are We Destined To Repeat History?
- Employment Growth for Engineering Technology Professionals Outpaces National Average
- City of London CSP Culvert Replacement
- Alberta Transportation Considering More Precast Box Culverts
- Concrete Box Sewer Addresses Flooding Concerns
- City of Regina Replaces Bridges with Precast Boxes

Click here to read the Spring Issue.

Article by Jason Kruger Published – The Right of Minnesota Engineers to Decide Pipe Material Could Be At Risk

Minnesota’s city, county, state and consulting civil engineers are currently free to determine which type of culvert and storm sewer material is suitable for their projects. It’s a civil engineer’s professional right and duty to select concrete, plastic or metal pipe – possibly at the exclusion of the others – based on sound engineering principles, judgement, their own experiences as civil engineers, and economics.

This right was further emphasized on July 6, 2012 when the FHWA’s new MAP-21 highway reauthorization included the following:

“Section 1525 - STATE AUTONOMY FOR CULVERT PIPE SELECTION." Not later than 180 days after the date of enactment of this Act, the Secretary shall modify section 635.411 of title 23, Code of Federal Regulations (as in effect on the date of enactment of this Act), to ensure that States shall have the autonomy to determine culvert and storm sewer material types to be included in the construction of a project on a Federal-aid highway.”

Additionally, on city and county state-aid projects, the Minnesota Department of Transportation allows city, county and consulting engineers to
determine the most appropriate pipe material for their projects.

However, this right to engineering autonomy is being threatened around the
U.S. at the state and local level, and the threat could reach Minnesota.

Arkansas Chapter-APWA Spring Conference Report

The Arkansas Chapter – American Public Works Association held their
2016 Spring Conference in Hot Springs, AR from 18-20 May. The Arkansas
Chapter also hosts a Fall Conference in Fayetteville to facilitate training
for the northwestern corner of the state. Public Works professionals from
several cities and counties along with personnel from AE firms attend the
spring conference. The Arkansas Highway and Transportation
Department partners with the Arkansas Chapter at all their training events
to strengthen their working relationships while sharing best practices.
The Arkansas Chapter Officers continually look for ways to share
experiences and improve the training environment. They looked to their
exhibitors this year to provide a creative training session. The Chapter
Officers presented exhibitors with an opportunity to present a specific
product, initiative, practice or project beneficial to the attendees. The
American Concrete Pipe Association volunteered to create the posters
because they had recently tried this technique during their Annual Pipe
School.

Exhibitors provided pictures, logos and specific language to ACPA staff.
ACPA staff prepared the posters for review and final approval. A number
of the posters, including AHTD’s Technology Transfer poster, were re-used
from ACPA’s Pipe School, which reduced the workload.
The Arkansas Chapter President, Jay Whisker, facilitated the poster
session training, which took place during the last class of the day. Jay
spread all the attendees to 11 different poster stations. He then gave
each presenter 4 minutes to present their issue and answer questions. Jay
added a few encouraging words and then told everyone to move to the
next poster station in a clockwise direction. Approximately 45 minutes
later, everyone had heard 11 different presentations. It was both exciting
and exhausting. The Arkansas Chapter – APWA hit a home run with their
first Poster Session.

Article on 2015 ACPA Project Achievement Award Published in MDOT e-news

An article by Jim Washabaugh, Northern Concrete Pipe was published in
the newsletter of Michigan DOT Employees.
The award featured the precast concrete box culvert/bridge on
Michigan’s M-142 over Phillip Drain that exemplifies Accelerated Precast
Construction (APC) to quickly replace culverts and small bridges in ways
emulating ABC (Accelerated Bridge Construction).

The award-winning M-142 project in 2014 called for removal of the
existing bridge, installation of a cofferdam with sheet piling, installation of
a 48-foot long by 24-foot wide by 12-foot tall precast concrete box
structure, all associated end treatment, and all associated road
reconstruction. The project had a completion date of 14 days, regardless
of the weather. Minimizing user delays and traffic disruption were a
priority for MDOT, as M-142 is the major artery in the area. Another
consideration was the Huron County Fair that was scheduled for July 27.
The contractor guaranteed that the road would be open to the 1000s
hoping to attend the annual fair.

View the article in the summer 2105 Issue of Concrete Pipe News.

Back to Top
Concrete Day Celebrated at the Colorado Capitol on April 29

Concrete Day at the Capitol was held April 29. The concrete industry, represented by the American Concrete Pavement Association - Colorado/Wyoming Chapter, the Colorado Ready Mixed Concrete Association, the Portland Cement Association – Rocky Mountain Region, and the American Concrete Pipe Association participated in the event.

The purpose of the event is to recognize the hard work of the Colorado Legislature and their staffs, and to raise awareness of the importance of the concrete industry to the state of Colorado’s economic growth and sustainable development practices.

Representative John Becker (R-HD 65) stated that the concrete industry’s contribution to transportation, infrastructure, and residential building is vital to Colorado’s economy, and appreciated the hard work of the concrete industry professionals in building a stronger state.

Governor John Hickenlooper proclaimed April 29 as Concrete Day in the state of Colorado, stating: “the industry as important to further development in our state and the hard work, dedication, and efficiency of its employees ... The industry is an important contributor to Colorado’s infrastructure and economy. We look forward to celebrating Concrete Day at the Capitol every year.”

ACPA staff representative Kim Spahn, P.E. was an organizer of the event. For more details, contact Kim.

Crossing Paths

Could this be ready to happen at your facility???

Incidents from the CONCRETE PIPE INDUSTRY

Rope Guides Move Out of Alignment
While tipping out boxes, a crane operator heard a loud noise from the crane and halted tipout immediately. After investigating, he found that a rope guide was out of alignment. The crane was taken out of service until it could be repaired. Further investigation determined that the load was moved at an angle rather than straight up. The guides were also worn and in need of repair.

Box Changeover Presents a Suspended Load Issue
An EE was utilizing a jib crane to perform changeover on box equipment. While using the pendant to lift sections of the box form, the EE felt uncomfortable with how close he was to the box sections. He stopped the process and notified management to look into the situation. After reviewing the task, extra cable was added to the pendant to keep the EE a safe distance from the box sections. A remote control for the jib crane is currently being tested to ensure the operator has sufficient clearance from any suspended loads.

Forklift Preventive Maintenance
An EE was cleaning up scrap wire pieces inside the building by picking them up with forklift forks. The EE put the forklift forks underneath a safety railing to pick up a pile of wire on the other side. As the EE went to pull in, he realized the forks were too high and the forks hit the safety railing. After investigation, it was determined that the forklift’s brakes had failed. Further investigation revealed that the brakes had been adjusted to the max adjustment available, and had worn out quickly.

EE Strikes Thigh Using a Hammer
During tipout of 60" pipe, an EE was using a slide hammer to remove the top ring. The EE was pulling the hammer towards his body when the bolt that attaches the eyelids to the header broke off. The hammer made contact with the EE’s thigh. The tipout procedure is normally completed with air hammers but due to the pipe sitting over the weekend slide hammers were used. Air hammers are recommended for safety.

Cleanup Process Leads to Hazard
An EE was sent into a machine pit to begin cleanup at the end of the day. At the same time, an EE on top of the machine started to remove concrete from the bottom of a core. As the EE pushed the concrete off of the opposite side of the core, the concrete struck the EE that was starting cleanup in the pit. A standard procedure was in place to clean the core during the production day to eliminate build up. This was not completed during the day and ultimately led to the chunk of concrete striking the EE. Following standard cleanup procedures would have lessened the likelihood of this incident occurring.

Slip Hazard Identified on Coring Table
A coring table used by EE’s on a routine basis posed a slip hazard to workers in the area. The platform on the coring table was narrow and provided insufficient room for the EE’s to have proper footing. The plant had recently experienced slip issues in this area while using the coring machine. After researching several options, the maintenance team constructed a platform around the coring machine to give the EE’s a more firm base on which to perform work.

Industry News

Corroded Culvert is to Blame for Moraga, CA Sinkhole
The Town of Moraga established with certainty that the cause of the recent sinkhole is the failing of the 96-inch corrugated metal culvert that runs under the Rheem Boulevard-Moraga Road intersection.

The town will replace the failed portion of the metal pipe with a concrete conduit. It will not fix the entirety of the corrugated section, because state funding might not be available for improvements beyond the immediately affected area.

Images of the film taken inside the culvert were enough to bring their point home. It showed a pipe where corrosion was everywhere, to the point that the bottom was gone in some places, not supporting the top of the pipe, and resulting in its deformation. The presentation showed a 17.5-inch joint offset running all along the side of the culvert, caused by the shape alteration. When the rains started pouring in April, pressure increased on top of the pipe and large quantities of dirt were dragged from under the sidewalk into the pipe through the offset joint. After a while the road collapsed.

Haarup North America is Expanding
A well-known face in the precast industry, John Higgins, has joined the Haarup North America team as a Sales Manager. John had spent the past 16 years at Forterra Pipe and Precast (previously Sherman Dixie), prior to coming to Haarup North America. Having a lot of experience and knowledge within design, replacement of machinery in turnkey, retrofit projects, as well as his familiarity with concrete will be a huge advantage for not only Haarup but producers as well. John has earned himself a lot of respect within our industry and has served as a board member on the NPCA Board of Directors.

With the addition of John to the Haarup team there is no doubt in the ability to assist customers with quality service and solutions of any kind.

Since Haarup started its North American operation in 2012 it has been a growing success. The reason for starting this operation was so Haarup could be closer to the end-user as well as support them with service and parts. Haarup North America started up with a relatively big inventory,
however it did not take long before sales were up so much that Haarup had to increase inventory to cover special demands from customers. With this increase of inventory, Haarup quickly ran short of space and was looking for ways to expand. Earlier this year the decision was made to take advantage of warehouse space in the building next to Haarup North America; this opportunity allowed expansion of the warehouse along with office facilities.

With this latest addition, Haarup North America now has more than 10,000 ft² of space available for parts. Along with the increase in sales Haarup North America has also hired more people in engineering, service and sales to accommodate growth.

Being settled nicely in Portland, Oregon, it was easier to schedule a faster and more affordable service schedule for customers. The demand for service technicians soon was so high that an experienced technician was brought over from Denmark to work full-time in USA and Canada. The technician has worked more than 35 years with Haarup and will over the next couple of years train American employees.

Progressive, Customer Driven and Forward Thinking are just a few words being used to describe Haarup North America in this time of growth. Maintaining the highest level of quality, as well as providing outstanding customer service has been the Haarup way since 1964 and is reflected more than ever in Haarup North America.

Michael Kusch Awarded 2016 ASCE Distinguished Service Award

2015 ACPA Past Chairman Michael Kusch was recognized in June by the Nashville Branch of ASCE. Michael was awarded the 2016 Distinguished Service Award for his long support and education opportunities provided to the membership of the Nashville Branch.

Michael is Technical Resource Engineer with Forterra Pipe & Precast.

Congratulations!

City of Regina Replaces Bridges with Precast Boxes

Victoria Avenue (TransCanada Hwy 1) is the primary entrance into the east side of Regina, Saskatchewan Canada carrying over 40,000 vehicles daily. The existing eastbound and westbound bridge structures between Coleman Crescent and Prince of Wales Drive over Pilot Butte Creek were at the end of their life cycle and required replacement.

The City of Regina issued a tender to replace the existing bridge structures with four rows of 3000mm x 2400mm precast box culvert. The tender was awarded to WF Botkin Construction Ltd who had until the fall of 2015 to complete the work. To help achieve success on this tight timeline the installation of the box culvert was subcontracted to NIS Contractors Ltd who sourced supply of the boxes from Inland Pipe.

For the duration of the project the contractor had to maintain two-lane traffic in both directions to minimize traffic disruptions. To achieve this, removal of the existing bridges and installation of the precast box sections had to be completed in three stages. Due to the expertise of NIS and the well-timed supply of the boxes from Inland Pipe, NIS was able to complete the installation of the three phases on time.
Since the firm was founded in 1961, MBK has developed into the leading manufacturer of welding machines and plant for the construction and concrete industry through technical know-how, inventiveness and unconditional customer orientation. Today, MBK is known as a global player in the industry – More than 900 welding machines and an overall total of 1,100 machines have been sold so far in over 60 countries.

www.mbk-kisslegg.de/en/mbk/company/

As an internationally active company, Kisslegg-based MBK Maschinenbau GmbH uses the Bauma trade show as the ideal platform for presentation of the latest developments to the experts. At the world’s largest trade show for the building industry, visitors can expand their know ledge with detailed information on various subject areas, such as job site, mining, raw material extraction, building material manufacturing and services. For industry, trade and service providers from the building and building materials industries as well as decision-makers from the procurement area, the Bauma points the way and sets standards to continuously expand market share in a hard-fought competition. MBK delivers valuable innovations that have a very significant positive influence on day-to-day business.

Read more at here.