

Summer

NEWSLETTER

August 2013

www.centralohioashe.org
www.ashe.pro

The President's Message



In May the Central Ohio Section of ASHE chose me as President. It was a tremendous honor to follow in the footsteps of so many inspiring ASHE leaders. As a member of our board, I've been proud of the improvements we've made to our Section, and I want to see us continue that success and build our momentum in the coming year.

My career in engineering began at Ohio University. I completed my engineering internship in Chicago, where I moved to join my wife, Amy, who was pursuing her graduate degree at the Art Institute of Chicago. Once she obtained her degree, we returned to Central Ohio. Hard to believe that was 13 years ago. I've been working in transportation engineering ever since. I have been a longtime member of ASHE, but three years ago I decided I wanted to contribute in a more active way to the growth and success of our Section.

I was immediately impressed by the board members' dedication to and passion for our profession. That level of effort is truly remarkable in an all-volunteer organization, and it has yielded big results for our members. Our events are stronger and our membership is growing every year. Their dedication inspired me to contribute to that mission.

This year I'd like to focus on broadening our membership base. I see real potential for us in the relationships we could build if our Section included more members from ODOT, counties, municipalities, public agencies, MPOs, contractors, vendors and manufacturers. Every member of our Section is an ambassador for us with these individuals and organizations.

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Mission Statement

Provide a forum for members and partners of the highway industry to promote a safe, efficient and sustainable highway system through education, innovation and fellowship.

Membership in ASHE would benefit them, just as it benefits us, and a broader membership base would strengthen our organization throughout the Central Ohio region. Our progress in expanding membership in this direction has been slow, but I know that if we make this a centerpiece of our goals this year we can see real growth in this initiative.

As Section President and fellow engineer, I'd love to hear your ideas on how we can make our organization—and our profession—stronger. I welcome discussions of our shared goals and interests, feedback on events and initiatives, and suggestions for improvements. I hope you will contribute to our momentum and get involved with ASHE on some level. Ideas can come from

anywhere, at any time, and sometimes they come from the most unlikely situations. Keep your eyes open to the opportunities for new ideas and for ways to be an advocate for our profession and Section.

Finally, I would like to thank Ron Mattox for his leadership of ASHE, Central Ohio Section last year. Ron's strong sense of leadership through service inspired all of us to look for ways to improve benefits to the membership and to give back to our communities. I hope to continue Ron's mission of service as we move forward into an exciting year within the Central Ohio Section of ASHE.

Upcoming Events

Thursday, August 15
Happy Hour & Cornhole Tournament
Buckeye Grill

Saturday, August 24
Interchange Clean Up:
I-670 / Grandview Ave.
Woodlands Backyard

Tuesday, September 24
Topic: Design Exception Reform
Presented By: James Young
LaScala Restaurant



NEW MEMBERSHIP

To receive ASHE updates via email, or inquire about new membership please contact Scott Seaman:
Secretary@CentralOhioASHE.org

* Email addresses will not be released.

ANNUAL DUES

You should have received your annual dues invoice via e-mail last month. Fees will remain \$35 and can be submitted through PayPal. Prompt payment is greatly appreciated.

For more information please visit our website:

www.centralohioashe.org/renew.html

INTERCHANGE CLEAN UP

ASHE's Interchange Clean Up Event

Fall is just around the corner...

That means it's time to go find out what interesting stuff has been thrown out of, or fallen off of passing vehicles at our adopted interchange.

Come out and join us on Saturday, August 24th at 10:00 A.M., for a quarterly cleanup of our adopted I-670/Grandview Ave. interchange!

Our ASHE section will be cleaning up the I-670/Grandview Ave. interchange on [Saturday, August 24th](#). We will be meeting at the [Woodlands Backyard](#) located in the northeast quadrant of our interchange. At [10:00 A.M.](#), we will get together for a safety briefing after which we walk to the interchange for an about an hour of cleanup. The following will be provided:

- Leather gloves
- Bright, stylish safety vests
- Pickers
- Trash Bags
- Bottled Water
- Men Working Signage

Suggest you wear sturdy boots, long pants, light weight long sleeve shirt and hat. All are welcome! [After the cleanup we will gather at the Woodlands Backyard for lunch and vote for the most unusual item collected. Gift cards will be awarded for the most unusual item and the most trash collected.](#) If you plan to participate, please contact Ron Mattox, rmattox@jobeshenderson.com or (740) 344-5451 [266], so that we can ensure we can have plenty of stylish equipment.





Happy Hour

ASHE hosted its spring Happy Hour at 101 Beer Kitchen located on Sawmill Road in Dublin on May 14th. We had over 20 guests attend the Happy Hour. These events are a great opportunity to meet and mingle with other professionals in the community. Our next Happy Hour event will be August 15th at the Buckeye Grill located in Grandview. We have two tickets to the Ohio State University Football game against Buffalo that we will be raffling off. Anyone can participate in the raffle and all the proceeds will go to the ASHE Ohio State University Scholarship Fund. Also at this event, we will be hosting our annual Cornhole Tournament. You do not need to come with a partner as teams will be decided upon at the event. This is an event you don't want to miss! Come out to join the fun, eat good food, and a chance to win some prizes.

Summer Happy Hour & Buckeye Preseason Kick-off

Join us on Thursday August 15th,
2013 at Buckeye Hall of Fame Grill
at Grandview Yard
775 Yard Street
Columbus, Oh 43212
4:30-7:00pm

Come out to Buckeye Grill, have a drink, play games, win prizes (and tickets), chat with your peers and Colleagues about the exciting football season ahead! All are invited.

OSU TICKET RAFFLE



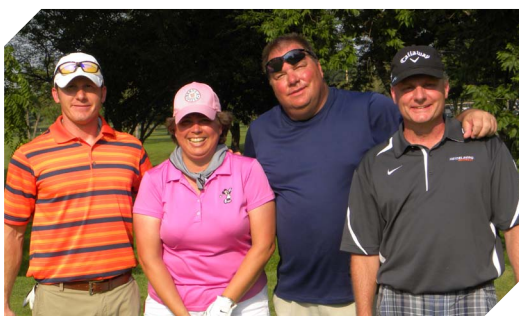
- ASHE will provide appetizers and happy hour drink specials are available for purchase until 7pm.
- ASHE has 2 tickets to the OSU vs Buffalo football game on Aug. 31st that will be raffled off at the event. (All proceeds from the raffle will benefit ASHE Central Ohio Scholarship Fund)
- Weather permitting, we will also have a corn Hole Tournament on the patio with prizes given to the winning team.



2013 Winning Team

RONALD L. ZOOK MEMORIAL GOLF OUTING

The 2013 golf outing was held on Friday July 19th at Fox Fire Golf Club in Lockbourne Ohio. The event was a great success with 72 golfers participating, and many new prizes including a chance to win \$10,000 in a hole in one challenge. The winning team with a score of 60 was John McGeorge, Chris Clevenger, Victor Meredith, and Todd Garwick. Thanks to generous contributions nearly \$700 was raised for the ASHE scholarship fund! Thanks to everyone who participated and helped to make this year's outing a great event. We look forward to seeing everyone out there next year.



PROJECT OF THE YEAR

On May 21, 2013 ASHE hosted our first Project of the Year Luncheon. For this year's award we had a total of nine projects submit for the two construction cost awards. At the luncheon each project selected a representative to present their project. After the presentations the attendees voted on who they thought was this year's Peer's Choice Award Winner. This year award went to The Rich Street Bridge Project. Designed by Burgess & Niple for the City of Columbus and was constructed by Kokosing. Congratulations to the The Cosgray/Shier Rings Road and The Rich Street Bridge projects that won this year's award and thanks to all of the projects that submitted this year.



Picture 1: Jim Prevost Speaking about the Alkire Road Bridge Project.



Picture 2: Valerie Croasmun presenting about the South State Street Intersection project.



Picture 3: John Shanks, Jennifer Gallager, accepting the award from Mike Raubenolt and Ron Mattox for the Project of the Year for construction costs exceeding 3 million dollars.



Picture 4: Ken Richardson, Chuck Unterreiner accepting the award from Mike Raubenolt and Ron Mattox for the Project of the Year for construction costs under 3 million dollars.

Rich Street Bridge



The landmark Rich Street Bridge crowned downtown Columbus, Ohio when it opened in 2012. The new structure completes the transformation of the City's riverfront, improving connectivity to downtown while providing access to new urban park spaces and creating a venue for festivals and other events.

The 5-span, 563-foot long modern rib arch bridge replaced on a new alignment the existing historic and structurally deficient spandrel filled concrete arch Town St Bridge.

During the design process, the City asked B&N to shorten the original construction schedule so the bridge could be built in time for the Columbus Bicentennial festivities in 2012. The team also was challenged to lower the overall cost of the project. Our design team collaborated to modify our original concept of a cast-in-place concrete ribbon arch to a semi-lightweight precast open rib arch concept to shorten estimated construction by seven months and reduce estimated project costs by nearly \$10 million.

The bridge member geometry was made to allow the 68 varying precast segments to be cast from just 3 different adjustable forms. The precast segments are stitched together with field post-tensioning to create a fully continuous frame, eliminating intermediate expansion joints. All post-tensioning anchorages were arranged to be concealed and terminate above flood level for added durability.

The bridge's rib arches have a slender and open design, without any vertical spandrel columns, that allows unobstructed views of the river and cityscape

from four adjoining parks. The open design improved hydraulic flow of the river enough to allow for placement of added earth fill extending the river banks to create additional parkland along adjoining West Bank Park and the Scioto Mile Park. The arch ribs are tapered, narrowest at the base and widest at the apex, giving the arches a dynamic sweeping curve. The sides of the arch members are formed from two angled planes that catch light differently and thus visually divide the surface of the arches into two facets of differing brightness, making the arches seem thinner than they are.

The bridge will host festivals and sets a new precedent. The community can use the bridge not just as a crossing, but as a venue – complete with power and telecommunications plug-ins in the bridge railing and 10-foot sidewalks.

Standing as an iconic structure along the cityscape, the new span strikes a visual balance, complementing both the Downtown Historic Civic Center architecture and the more modern architecture of Miranova & COSI, while presenting a harmonious transition of arch-style bridges on the Scioto River corridor, from Broad Street to Main Street.

The Rich St Bridge was co-recipient of the 2012 James B. Recchie Award from the Columbus Landmarks Foundation honoring projects that make exceptional strides in quality urban design for which the jury remarked the bridge "demonstrates that works of engineering can be elevated to a design quality worthy of civic acclaim"

Cosgray Road & Shier-Rings Road Roundabout



The City of Dublin, Ohio, contracted with American Structurepoint to provide preliminary engineering and final design services for improvements to the intersection of Cosgray Road and Shier-Rings Road. The project included a traffic operation analysis to study a roundabout, traffic signal, and lane improvements at the intersection. Engineering services for the project also included field surveys, right-of-way plan development, geotechnical investigation, subsurface utility engineering, maintenance of traffic, and traffic control. Analysis and recommendations included the expansion of Darree Fields Park and future access considerations and drive locations. Final design consisted of a single-lane roundabout to replace the existing conventional intersection. The roundabout offers continuous flow traffic to events with fluctuating attendance at the Darree Fields Park, and also provides safety features through traffic calming and lowered accident potential, and corrects a substandard horizontal deflection on Cosgray Road at the intersection and substandard lane widths. The complex drainage design required on the project has opened up the area to the potential of future development for the City and the local community. The innovative roundabout design includes the capability of expanding the roundabout to two lanes in the future. Aesthetic and sustainable features on the project, in addition to the sustainable advantages of the roundabout itself, include LED lighting, BMP stormwater drainage, and design of an 8-foot path for cyclists and pedestrians to access the park.

Luncheon

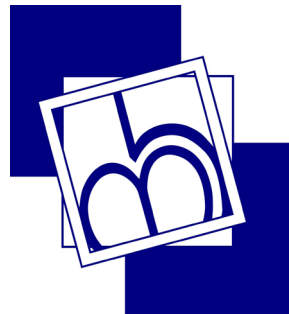
ASHE's next luncheon will take place on September 24, 2013 at LaScala located in Dublin. For our September luncheon we will be having James Young from The Ohio Department of Transportation speaking about the Design Exception Reform that became effective July 2013. Please note that the Capital Improvements Project luncheon which is normally held in September has been moved to January 28, 2014, so mark your calendars with the new date. Here is a short description of the topic at the next luncheon. Design criteria, established through years of practice and research, form the basis by which highway designers strive to balance cost, safe-

ty, mobility, social and environmental impacts, and the needs of a wide variety of roadway users. Effective July 1, 2013, ODOT has revised the design exception process to harness SafetyAnalyst to provide a predictive safety measurement. This could allow existing roadway configurations to remain if a roadway is not experiencing above a threshold measure of crashes. This will allow designers within Ohio the flexibility to practice practical design with analytic support for variations from the Location and Design Manual, Volume 1. This will also allow some certainty at scoping for the design effort involved in a project

Thanks to the Central Ohio Section of ASHE sponsors for their generous support



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