

Summer

NEWSLETTER

July 2014

www.centralohioashe.org

www.ashe.pro

The President's Message



Summer has finally arrived and that means that my term as president has come to a close. I'm proud of the work our Board has accomplished this year and I'm excited to help the incoming Board continue that progress into the second half of the year. I want to thank last year's board for their tireless efforts to make this section stronger and their dedication to providing our membership with quality programs and events.

Over the past few years we have been looking at ways to improve our existing programs as well as adding new benefits and programs to the membership. This is an ongoing process, as it should be. We need to adapt and change as our industry does. We need to not only stay current but push ourselves into the cutting edge of our profession. Please help us do that. Bring your suggestions, volunteer your time, and ask colleagues to join but most importantly get involved. Change begins with an idea and I'm sure there are plenty of ideas out there, please share them.

I want to thank everyone who volunteered their time or money to our section last year. Whether it was to work the registration desk at a luncheon, or to donate to the scholarship fund, or to work the cleanup crew at our adopt a highway event, we appreciate all your efforts. We all have busy lives filled with work and family and every bit of help matters in putting these events together. Special thanks to the extreme efforts of our section secretary Scott Seaman and our section treasurer Robert Ballard for the extraordinary amount of effort and dedication they put into their jobs. They are the heart and soul of our section and they deserve our thanks.

I am looking forward to stepping into my new role as past president and helping the new board achieve even more in the upcoming year. There are still many ways we can be better and I am looking forward to that challenge.

Enjoy the spring and have a happy and safe summer!



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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.

Happy Hour

ASHE Central Ohio Returned to the Ice in 2014

On the evening of February 27th, ASHE Central Ohio returned to the Columbus curling club for the first time since our 2012 visit. With the recent Sochi winter Olympics, we had a lot of interest and there was no trouble selling out the 24 available spots for the Learn to Curl event. We saw some of the same faces from the 2012 event, back for more action and honing of their curling skills. We also had a lot of new faces and folks looking to try this unique sport for the first time. The facility is very well maintained and the staff at Columbus Curling Club again hosted a great event, making sure everyone had a good time, learned a few things about the sport, and shared plenty of laughs and moments as we tried our hand on the ice. There were a few spills, but no one was hurt and everyone was able to laugh away the slipping and sliding that occurred at the event. After a short introduction to the curling lingo and background our group headed out for our time on the ice. Some instructional time was spend getting familiar with "sweeping" and "delivering the stone". After a few highly competitive games or "ends" were played, everyone left the ice and went back into the warm room for some refreshments and reflection on the experience. With the great turnout and feedback we received from this year's event, look for ASHE Central Ohio to offer a similar event next year. Good curling...EH!



Upcoming Events

Friday, July 18
ASHE Golf Outing

Crew Game
Watch for details coming soon..



MEMBERSHIP DUES DUE JULY 31ST

To receive ASHE updates via email, or inquire about new membership please go to our website, www.centralohio.org/renew.html, or contact Scott Seaman, Sseaman@GPDGroup.com

* Email addresses will not be released but are available to members.

INTERCHANGE CLEAN UP

ASHE's Interchange Clean Up Event

Spring has sprung!

Our first clean-up of the year and in coordination with Earth Day. This was our first chance of the year to see what interesting stuff was collecting at our interchange at I-670 and Grandview Ave. The last clean-up took place November 9, 2014. Eleven dedicated individuals came out this beautiful morning to help pick up the interchange. With so many helping hands, the pick-up went smoothly and the area was cleaned by 11:30 so that we could enjoy a quick lunch together at Woodland's backyard.



2013 Project of the Year Award: Over \$3 Million

DIVERGING ROADWAYS, EMERGING SOLUTION I-270 AND ROBERTS ROAD DIVERGING DIAMOND INTERCHANGE

A congested interchange in the midst of a heavily traveled industrial, commercial and residential area has received a major overhaul. The previous diamond interchange at I-270 and Roberts Road in Columbus has been transformed into a Diverging Diamond Interchange (DDI) – an emerging and cost effective roadway solution designed to improve safety, reduce crashes and ease congestion. It is the first DDI to open in the state of Ohio and the 23rd in the United States.

The former interchange had geometric design deficiencies and was plagued with frequent congestion-related

crashes. The Ohio Department of Transportation (ODOT) looked to Burgess & Niple's (B&N) roadway design expertise to identify and design the right fit for the interchange. B&N proposed a DDI as a solution that could fix the geometric issues as well as handle the high demand volume of traffic – including a large amount of truck traffic that drives area commerce. Traffic modeling and analysis indicated it could safely move the highest volume of traffic and be built for the lowest cost compared to other alternatives evaluated. A DDI is designed to be safer, more efficient and more cost effective than traditional diamond interchanges.

Safety: Generally, reducing conflict points reduces crashes. In a DDI, motorists on the arterial roadway (Roberts Road) cross over to the left side of the roadway between



the nodes of the interchange. Once there, vehicles can turn left onto freeway ramps to enter the highway (I-270) without stopping or conflicting with opposing through traffic. By eliminating left turns that cross opposing traffic like those at conventional intersections, the number of potential conflict points is reduced by 42 percent compared to a traditional diamond interchange. The number of crossing conflict points, typically resulting in the most severe crashes, is reduced by 80 percent.

More Efficient: The DDI increases capacity with improved signal operations that eliminate left-turn signal phases. Traffic flows through the interchange more quickly and congestion is reduced. The I-270/Roberts Road DDI moves significantly more traffic than a traditional diamond interchange and can accommodate traffic volumes that exceed design year estimates.

Cost Effective: The cost to construct a DDI is typically less because fewer lanes are required to accommodate the same capacity. For I-270/Roberts Road, the DDI was the only design option evaluated that preserved the two existing bridges over I-270, could be built within the existing right-of-way, and could accommodate the design year traffic. Staying within the existing right-of-way significantly lowered the construction cost. The DDI was determined to be about 25 percent less expensive to construct and moves traffic more efficiently than the other alternatives evaluated.

The DDI opened in October 2013 and serves more than 50,000 users daily. B&N provided traffic forecasting, preliminary engineering, assistance with stakeholder and public involvement, and final design of the interchange reconfiguration. The project's total design cost was \$1.2 million.

2013 Project of the Year Award: Under \$3 Million

On November 19, 2013, the Ohio Department of Transportation transferred jurisdictional authority of State Route 794 between SR 68 and SR 72 to Clark County. State Route 794 was renamed County Road 794 – W. Blee Road. This culminated a joint effort between the Ohio National Guard, the Ohio Department of Transportation (ODOT), the Clark County Engineer's office, the City of Springfield, and State of Ohio Congressmen. Together, they were tasked to fund, design, and construct the relocation of State Route 794 to meet current Department of Defense force protection clearance requirements and allow for anticipated growth of the Springfield Air National Guard Base. The relocation included 1.6 miles of relocated full-depth pavement and 1.1 miles of resurfacing with a construction cost of \$2.8 million.

Public involvement was a major component of this project. American Structurepoint listened to the concerns of the property owners and documented those concerns for Clark County and other stakeholders. A series of public meetings were held to open up the line of communi-

cation and to help the public understand the project. American Structurepoint went a step further to provide materials and exhibits that included three-dimensional computer generated renderings to help visualize the proposed project. In addition, several members from American Structurepoint met with several residents and stakeholders one-on-one to assure them that they were being heard and their suggestions were being evaluated.

After 9/11, military bases were faced with tougher security standards. For the Springfield Air National Guard Base, they were required to move the former State Road 794 away from the base due to force protection requirements by the Department of Homeland Security. The Base is operated by the United States Air force 178th Fighter Wing (FW), which was an F-16 Fighting Falcon flying training organization assisted to the Ohio Air National Guard. In addition to its 900 personnel, the 178th FW also supports 320 members of the Headquarters, 251st Communications Group, and the 269th Combat Communications Squadron, which are also located on

the base. The Springfield-Beckly Municipal Airport is a 1,400-acre General Aviation Airport with a 9,000-foot-long primary runway and a 5,500-foot-long crosswind runway serving business, instructional, recreational, commercial, and military air traffic.

The relocation project included pavement replacement and resurfacing of all existing pavement at the project ends. The project involved the installation of a new open and closed drainage system with nine new culverts and one culvert replacement. The project also involved the design of vegetated biofilters for storm water quality BMPs and depressed inverts on culverts for storm water quantity BMPs.

Three wetlands were identified using the State of Ohio Environmental Protection Agency's Ohio Rapid Assessment Method (ORAM) criteria and six streams were evaluated. A total of 650 linear feet of stream were relocated and an Individual 401 Water Quality Certification and stream mitigation were performed.

The relocation included about 1.6 miles of relocated full-depth pavement and about 1.1 miles of resurfacing with a construction cost of \$2.3 million.





**AMERICAN SOCIETY OF HIGHWAY ENGINEERS
CENTRAL OHIO SECTION PROUDLY ANNOUNCES**

**The Seventh Annual
Ronald L. Zook
Memorial Golf Outing**

Friday, July 18, 2014

Fox Fire Golf Club • Players Club Course
10799 State Route 104, Lockbourne, Ohio • 614-224-3634

Great prizes, food and fun! It's time once again to put your golfing skills to the test at the Players Club! Put together a foursome or we'll put you on a team. The format is a four-person scramble. Prizes will include: door prizes, closest to the pin, longest drive, longest putt and foursome with the lowest score. All prize recipients will be announced during the awards ceremony following dinner. **Also, there will be special skill contests to raise scholarship money.**

SCHEDULE:

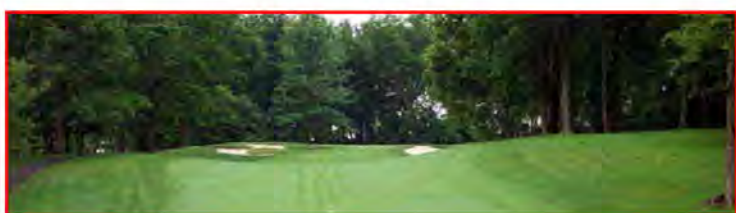
Registration and Driving Range	11:30 to Noon
Lunch (snack bar paid for individually)	11:30 a.m.
Shotgun Start	12:30 p.m. (Sharp!)
Reception (Cash Bar)	5:30 to 6:00 p.m.
Dinner (Cookout Buffet)	6:00 p.m.

ARRANGEMENTS: Snack bar, halfway house and beverage carts - paid by individual golfers
 2 Drink Tickets for Beverages – paid by ASHE COST:

Golf, Cart and Dinner (Cookout Buffet) **\$70**

PLEASE NOTE THAT NO SHOWS WILL BE BILLED!

REGISTRATION DEADLINE: FRIDAY JULY 11, 2014



Skill Prizes Awarded For:
 Longest Drive Front Nine/Back Nine
 Longest Putt Front Nine/Back Nine
 Closest to Pin Front Nine/Back Nine
 Lowest Foursome 18 holes
 Other Prizes Depending on Sponsorships

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

