# Jewslette entral Ohio Section March, 2011 Volume 15, Issue 7 CONTENT 2 President's Letter 2-4 Latest News Calendar of Events 6-7 Newsletter Ads Pay Securely Online On Our Web Site

### LUNCH MARCH MEETING

Date/Time: Thursday, March 17, 2011 - 11:30 A.M. Registration- 12:00 P.M. Lunch

Villa Milano Banquet & Conference Center - 1630 Schrock Road - Columbus, Ohio 43229 Location:

Speakers: James Pajk, P.E., Franklin County Bridge Engineer

William Marty, P.E., Transportation Director, WD Transportation

Michael Bashore, P.E., Franklin County Assistant Construction Engineer,

Scott Roe, P.E., Franklin County Assistant Bridge Engineer

Topic: West Main Street (Westerville) Bridge Presentation and Tour

> The West Main Street Bridge over Alum Creek is an important crossing that connects the west side of the City of Westerville to Otterbein University and the Uptown District. Three parks incorporate the corners of the bridge along with a Senior Center and Alum Creek bike trail on the west side.

> A short presentation will discuss Franklin County's approach to the structure type determination, its public involvement approach as well as some of the design challenges affiliated with this project. This \$6.6 million project included additional work requested by the City of Westerville included a new waterline and improvements to the parking lot for the Senior Center.

A tour of the project site will take place immediately after the presentation for those interested. Attendees will be required to drive to the site and bring their own hard hat, safety vest and appropriate footwear for walking the site. The site is located approximately 5 minutes from the Villa Milano. Maps and directions as to where to park will be given at the meeting.

Menu: Lasagna, fresh steamed vegetables, bread, garden salad with assorted dressings and dessert.

Coffee, Water and Iced Tea.

CPD Hours: A certificate for one (1) Continuing Professional Development (CPD) hour will be issued.

RSVP: Registration is due by 5 PM on Friday, March 11, 2011. Late registrations and walk-ins may

> not be accepted. Registration fees may still be required for no-shows and registrants canceling after March 11, 2011. Register and pay online with a credit card, or contact Mike Mazzoli at (614)

876-8000 or register@centralohioasce.com .

Cost: \$20 ASCE Members & Guests - \$15 ASCE Life Members - \$10 Students.

Payment: The preferred method of payment is online before March 11, 2011 or on the day of the event by

cash or check. If you need to pay for multiple registrations, please pay by check. Checks should

be made payable to Central Ohio ASCE.

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# LETTER FROM THE PRESIDENT

Thank you to those who were able to attend our Engineer's Week Luncheon on February 24, and a special thank you to those who organized the event! We had a great turnout and presentation.

Please plan to attend our March luncheon meeting and tour, which will be held at the Villa Milano in Columbus on Thursday, March 17. The presentation will be on the West Main Street Bridge (Westerville) and will include a tour afterwards. This will be a joint luncheon with ASHE and the Engineer's Club of Columbus, so be sure to register early! See page 1 for more details about this event. Hope to see you there!

Please also make sure to register for our upcoming Technical Seminar entitled "Low

Impact Development and LEED - Ohio Balanced Growth Program: Watershed Plans and Best Practices for Local Governments". It will be held on Tuesday, April 19 from 8:30 AM to 3:30 PM at the Crowne Plaza Columbus North, and is a great and inexpensive way to earn 6 professional development hours!

Once again, it's Central Ohio ASCE's election time!! In addition to voting for our 2011-2012 board members, we are looking for nominations for *Outstanding Civil Engineer of the Year* and *Outstanding Section Member of the Year*. Electronic ballots will be emailed out soon. Please be sure to cast your vote!

Thank you, Julie L. Pickering, PE, M.ASCE <u>Julie.Pickering@Stantec.com</u>

BALLOTS FOR 2011-2012 OFFICERS				
<u>Position</u>	Nominated Candidate	Write-In Candidate		
President	Michael Mazzoli			
1st Vice President	Adam Rich, P.E.			
2nd Vice President	Mark Seidelmann, P.E.			
Treasurer	Michael Navabi, P.E.			
Secretary	Carlos Vazquez, P.E.			
Member-at-Large	Brooks Vogel, P.E.			
I	UNOU OF LOOM SECTION DE	TECATEO (Disease visto for Committee in)		
I —		LEGATES (Please vote for 6 or write-in)		
Peter Narsavage		mes Pajk, P.E.		
Gregory Barden,		thany Meek, P.E.		
Carolyn Merry, F	PhD	(write-in)		
Robert Redfield				
NOMI	NATION FOR OUTSTANDING O	CIVIL ENGINEER OF CENTRAL OHIO		
¦┌┐	(Ple	ease nominate an engineer.)		
i				
I NOMINA	TION FOR OUTSTANDING ASC	CE CENTRAL OHIO SECTION MEMBER		
¦□	(Ple	ease nominate a section member.)		
i <del></del>	TWO WAYS TO VOTE DI FAS	SE VOTE BY APRIL 11 2011		
TWO WAYS TO VOTE. PLEASE VOTE BY APRIL 11, 2011.  1. ASCE members who have paid their section dues should receive an email with a link for online voting. If				
you do not receive the email invitation, send a request to <a href="mailto:asce.com">asce@centralohioasce.com</a> and we will send you one."				
2. Send hard-copy ballot to: Gerard Lynskey, 445 Hutchinson Ave., Ste 740, Columbus OH 43235				



# 2011 OHIO CONSTRUCTION CONFERENCE

Topic: The Changing Economic Landscape in Ohio

Date & Time: Tuesday, 03/22/2011 - 7:30 AM

Location: The OSU Ohio Union, 1739 N. High

St., Columbus, OH 43210

Info: Builders Exchange Website



The Ohio Construction Conference is pleased to bring relevant business practices and economic issues facing the central Ohio

construction community. Using a balance of best practices and risk management strategies, the Conference provides managers an opportunity to network and hear about issues without taking days away from work to attend a program out of state.

The Ohio Construction Conference combines emerging trends with business best practices from around the country. Its breakout seminars and general sessions aim to provoke dialogue and at times, debate. Because owners, design professionals, contractors, suppliers and service providers are all at the table, attendees learn from each other as much as from the presenters!

The recently completed Miami Valley Hospital project in Dayton, Ohio has garnered the public eye through the extensive use of prefabrication techniques. The corridors of each of the tower's three wings, including

mechanical, electrical and plumbing (MEP) installation were prefabricated in three separate phases in a



warehouse two miles from the site and then installed. Learn the motivations behind the decision to use prefab from the owner, design professional and general contractor perspectives. Then go a step further and learn from the specialty contractors in charge of the prefab on its impact on production, safety and quality.

Especially in today's economy business owners are looking closely at the bottom-line – from maintaining lines of credit with the bank to strengthening your surety position – and the 2011 OCC provides managers an inside look at how to position your company for economic recovery.

An issue that's pertinent every year is working more collaboratively on a project to achieve the best result possible. Learn how NASA is working on refining the building turnover process with Construction Operations Building Information Exchange (COBie) and receive insight to the challenges facing the industry through the eyes of construction owners. At the end of the Conference join us at the round table small group discussions led by owners of major industries.

# ASCE CONTINUING EDUCATION WORKSHOPS

ASCE is pleased to provide the upcoming ASCE Continuing Education seminars and workshops in the Midwest Region. These in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department and may be of interest to you. Please click on the links below for additional information.

DATES	SEMINARS AND COMPUTER WORKSHOP LINKS	Location
March 10-11, 2011	Earth Retaining Structures, Design, Construction and Inspection: Now in LRFD	Cincinnati, OH
March 10-11, 2011	HEC-HMS Computer Workshop	Chicago, IL
March 16-18, 2011	Design of Foundations for Dynamic Loads	Cincinnati, OH
March 17-18, 2011	Design of Cold Formed Steel Structures The New 2007 Specification	Chicago, IL
March 23-25, 2011	Design and Construction of Microtunneling Projects	Chicago, IL
March 24-25, 2011	Low Impact Development Applications for Water Resource Management	Madison, WI
March 24-25, 2011	Modern Detectors for Traffic Surveillance Management/Traveler Information	Chicago, IL



# **GPS WORKSHOP**

Topic: Global Positioning System (GPS) - Early Days, Current Status and Policies, Future Prospects, and Challenges

**By:** The Department of Civil and Environmental Engineering at the Ohio State University in cooperation with the Department of Electrical and Computer Engineering

Date: Thursday, March 17, 2011

Time: 9:00 AM to 12:30 PM

**Location:** Room 140 Pfahl Executive Educational Building, 280 W Woodruff Avenue, Columbus,

Ohio

Cost: Free

Info: HERE

Since its inception in the late 1970s, the Global Positioning System (GPS) has become the backbone of navigation, geo-location and timekeeping throughout the world. GPS is as much a part of our infrastructure as wireless communication or

any other utility. In this workshop, the invited speakers, Dr. John Betz, Mr. Edward Martin and Mr. Anthony Russo, will discuss the evolution of GPS since the early days to its present configuration and future direction.

In addition, how and when the GPS concept was conceived, the challenges faced by the program, technical innovations, and applications will be covered by the speakers. The current status of GPS, as well as US policies re-



garding the operation, modernization and availability of GPS, will be described. Finally, the future advances planned for GPS will be presented, and the challenges faced by satellite-based navigation will be discussed by the invited speakers.

This workshop is free, however preregistration is highly encouraged. Open to undergraduate and graduate students, faculty, and the outside community. Three (3) PDH credits will be offered for attending the entire workshop and a certificate will be provided.

# ASCE OHIO COUNCIL - INFRASTRUCTURE PUBLICITY

The Ohio Council has received a State Public Affairs Grant from ASCE National to use, in combination with Ohio Council funds, in publicizing the 2009 Ohio Infrastructure Report Card to Ohio's State Legislators and other appropriate officials. The effort includes mailing postcards to each legislator, developing a website window that is referenced in the postcard, and other related work. The website window will link to the existing Ohio Council website. These postcards will be mailed in early March.

Infrastructure problems need to be in front of the legislature so they receive a reasonable share of the tight budget expected in the upcoming biennium. While this mailing effort is valuable in terms of placing the information in front of



legislators
and others,
the real
challenge is
getting them
to look at it,
think about it,
and act
accordingly.

The best way to achieve those goals is for knowledgeable and

concerned constituents of each legislator to contact him or her and emphasize how critical the problems defined in the Report Card are, and press to maintain an appropriate level of funding for infrastructure in Ohio for the coming biennium. The people best suited to this personal contact are our ASCE members throughout the state. The best place to do this is at the Legislator's local office or at a public or political event. This is an important part of the effort that started in 2009 with preparation of the Report Card. ASCE members put a great deal of effort into the Report Card, and Ohio Council funds are being used to publicize and distribute it using print and electronic media. This is the best way to get our money's worth from all of this past expense and volunteer effort.

The report card (1-page) and the background report (65 pages), are available on the Ohio Council Website http://ohioasce.org/reportcard.

The time is now to contact your legislators to remind them of the importance of infrastructure funding. To search for contact information for your legislators, click <u>HERE</u>.



# 2010-2011 CENTRAL OHIO ASCE MEETINGS

Meeting Date	Topic	Location	Person Responsible	
Thursday, March 17, 2011 Lunch	West Main Street Bridge - Westerville	Villa Milano	Michael Bashor/ Jim Pajk	
Tuesday, April 19, 2011 Lunch	Technical Seminar - Low Impact Development and LEED	Crowne Plaza Columbus North	Michael Navabi	
Wednesday, April 20, 2011	Career Day	Tour of OSU ProjectONE (Medical Center)	Beth Meek/Carolyn Merry/Emily Wieringa	
Thursday, April 21, 2011 Dinner	US-33 Nelsonville By-Pass Project	Ohio University - TBA	Bob Heady	
Tuesday, May 10, 2011	Ohio Engineers Legislative Day	ТВА	Dave Pritchard	
Thursday, May 12, 2011 Lunch	ASCE National President-Elect and Awards Luncheon	The Blackwell Inn at OSU	Mike Mazzoli	
June, 2011	Planning Meeting	ТВА	Adam Rich	
Friday, June 24, 2011	Annual Golf Outing	Darby Creek Golf Course	Jim Pajk	

# HIGH SCHOOL INTERNSHIP OPPORTUNITY

Metro Early College High School is seeking interested companies or individuals to participate in their Internship Program. This experience will connect aspiring young people with real-world professionals in order to foster partnerships that will benefit you (your organization), the students, and our community. Professionals can "give back" by sharing their career knowledge and leadership

skills with tomorrow's leaders--today's students. The Metro students can potentially assist in supporting roles to facilitate the work of you and your organization. To obtain more information, please contact Mr. Corv Neugebauer, Internship Coordinator/Senior Social Science Teacher at Metro Early College School, at (614) 247-2276 neugebauer@themetroschool.org

# KEEP UP TO DATE

# Join Our E-Mail List! Keep up to date with all the current events and announcements. Just go to http://centralohioasce.com/e-mail

to <a href="http://centralohioasce.com/e-mail">http://centralohioasce.com/e-mail</a> and follow the directions to sign up.

# Visit Us On The Web: www.centralohioasce.com

E-Mail Us: asce@centralohioasce.com

# BOARD MEETING

Our Next Board Meeting Will Be Held at 11:30 A.M. Thursday, April 7, 2011. Stantec Consulting Services 1500 Lake Shore Drive Columbus, OH







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2011 Spring Seminar

Crowne Plaza Columbus North 6500 Doubletree Avenue Columbus, Ohio 43229 (Map enclosed)

Tuesday, April 19th, 2011 8:30 AM to 3:30 PM



Low Impact Development and LEED - Ohio Balanced Growth Program: Watershed Plans and Best Practices for Local Governments Earn 6.0 Professional Development Hours (PDH)!

Join Ohio EPA experts and consultants to learn about voluntary incentive-driven Ohio Balanced Growth Program (by Water Resources Council and Lake Erie Commission) to encourage implementation of balanced approach to Ohio land use planning. We will address Low Impact Developments (LID), LEED, Best Management Practices (BMPs), Stormwater Program, and latest technologies with designing complete BMPs.

Over the last several years there has been a rapid movement to implement low impact development (LID) design concepts and green infrastructure. LID designs strive to minimize land disturbance and impervious cover, maintain predevelopment hydrology and manage stormwater using smaller scale decentralized best management practices. Green infrastructure generally refers to a suite of stormwater management strategies such as green roofs, rain gardens, riparian buffers, permeable pavements, and rainwater harvesting that is intended to reduce the amount of runoff reaching our receiving waters. While most projects can accommodate at least some of these green design concepts, design challenges often arise in urban areas where it's common to encounter existing utilities, limited land availability, and poor or contaminated soils. In these instances it is often possible to achieve many of the fundamentals of LID design by incorporating rainwater harvesting and/or underground stormwater management strategies into the site design.

This session will address completed and current watershed-based balanced growth plans, with discussion of local balanced growth watershed projects, lessons learned, and incentives for local government to participate. Information on a case study project to address barriers in implementation of Best Practices for Stormwater will be provided, as well as resources available to local communities interested in implementing Best Practices in their planning and zoning. We will discuss the recommendations of the statewide Best Local Land Use Practices program. Information about development and conservation priority practices for local governments, and assistance available for education and implementation, will be addressed. Plans for 2011 include progress on the watershed plans, addressing the needs of urban and first suburb areas, continued exploration of issues affecting site development, water resources and economic development, and development of networks of practitioners in eight regions of Ohio.

This presentation will also provide a regulatory overview of stormwater management and the trends that are driving the movement toward Green Infrastructure. This will be followed with an overview of Low Impact Development and Green Infrastructure concepts. We will also explore the basics of rainwater harvesting including example layouts and key components, and highlight the various underground stormwater management strategies that can augment LID designs along with the latest research and performance expectations for these practices.

 Contact Michael Navabi (contact information on the opposite side of this sheet) for additional information.

Who should attend? Engineering consultants, regulatory officials, municipal administrators and others interested in learning more about our states stormwater regulations, LID, LEED & BMPs.

### **Presentation Abstracts**

Gail Hesse serves is an Environmental Manager for the Ohio EPA and is responsible for administering the Lake Erie and source water protection for surface drinking water programs. She also serves as Administrator of the Ohio Water Resources Council, a consortium of 9 state agencies and commissions established to promote collaboration on water policy and program development across state agencies. She has worked with stakeholders in the public and private sectors on both regulatory and incentive-based programs, and worked on land-based approaches to watershed management and water quality restoration. She has a master's degree in environmental science and a bachelor's degree in geography and is a graduate of the Ohio Certified Public Manager program for senior management in the public sector.

Kirby Date, AICP is Program Manager of the Community Planning Program (Countryside) housed at Cleveland State University, Levin College of Urban Affairs. She is an Ohio registered landscape architect and a member of the American Institute of Certified Planners, and has over 30 years of experience in the consulting and construction fields. Her areas of expertise include development design and planning for parks, open space and environmental areas, working with local governments across Ohio on implementation of Best Local Land Use Practices with the Ohio Balanced Growth Program. She also leads a program to assist small communities with citizen-driven, comprehensive land use planning.

Harry Kallipolitis is Central District Office Stormwater Coordinator for OEPA. He has been with the program since its inception back in early 90's. Mr. Kallipolitis is responsible for the development, implementation and oversight of Ohio Phase One and Phase Two Stormwater Regulations. He conducts stormwater inspections of various construction and industrial sites to ensure compliance, and is working with local municipalities to implement local stormwater regulations. His expertise includes permitting requirements and the development of Stormwater Pollution Prevention Plans, common compliance problems noted in the field and the associated corrective actions required to ensure compliance.

Dionne Driscoll Delli-Gatti is a Regional Regulatory Manager for CONTECH Construction Products, Inc., responsible for regulatory relations with agencies responsible for stormwater management. She has BA in Environmental Geology and MS in Environmental Science with a minor in Public Administration with over 15 years of environmental experience including over five years with the City of Dallas, first as an Assistant to the Mayor, and second, as an Environmental Specialist for the Department of Aviation, where she was responsible for starting up and managing the environmental section including the NPDES/TPDES program under an industrial permit. She rounded out her tenure with the City as a Senior Environmental Specialist in the Office of Environmental Quality where her responsibilities included managing several departments in the City's effort to develop and implement a citywide ISO 14001 certified Environmental Management System, managing the City's petroleum storage tank compliance program, and developing and conducting training for both citizens and City employees on various environmental issues. She also worked as an environmental consultant and as a Site Coordinator with the OEPA. Her areas of specialization include issues related to storage tanks, storm water, drinking water, and SPCC plans. Throughout her career, water quality and conservation issues have been a primary focus.

# Registration

ASCE Members: \$ 100.00
Non-Members: \$ 120.00
Students: \$ 30.00
Registration after March 24, 2011: \$ 150.00

Fee includes morning continental breakfast, lunch, break refreshments, and parking.

The preferred method of payment is <u>online</u> by April 1, 2011. If you need to pay for multiple registrations, please pay by check. Checks should be made payable to *Central Ohio ASCE*.

Please register and pay online with a credit card. **Registration is due by 4 PM on Friday, April 1, 2011**. Registration fees may still be required for no-shows and registrants canceling after April 1, 2011.

Or - Please submit checks with registration forms.

Make checks payable to: *Central Ohio ASCE* Michael Navabi, Prime Engineering,

3000 Corporate Exchange Drive, Columbus, Ohio 43231

Telephone: 614-839-0250, Cell: 614-634-2274

Name		
	_Zip	
Choice of lunch will be fish, chicken or vegetarian. Please specify preference or any special dietary needs.		

One registrant per form. Please duplicate this form for additional registrants.

# Schedule

8:30 - 9:00	Registration with Refreshments	
9:00 - 10:00	OEPA Balanced Growth Program	Gail Hesse Kirby Date
10:00 - 10:15	Break	
10:15 - 11:15	Ohio Stormwater Regulations	Harry Kallipolitis
11:15 - 12:00	National Regulatory Trends: an overview of regulatory drivers and guidance manuals associated with LID and LEED.	Dionne Delli-Gatti
12:00 - 1:00	Lunch Break	
1:00 - 1:45	Background of LID and LEED, including benefits, practical consideration and limitations, maintenance issues and planning related to all types of Best Management Practices (BMP's).	Dionne Delli-Gatti
1:45 - 2:30	Innovation solutions and engineering practices to address complex site issues and the LEED credit potential associated with each.	Dionne Delli-Gatti
2:30 - 2:45	Break	
2:45 - 3:30	Rainwater Harvesting and Reuse Systems	Dionne Delli-Gatti

# **Directions and Map**

# **DIRECTIONS TO THE EVENT:**

# **Crowne Plaza Columbus North**

6500 Doubletree Avenue Columbus, Ohio 43229 Phone: (614) 885-1885

# From the North:

Take I-71 South to the OH 161/East Dublin Granville Rd exit. Turn right on 161. Turn right on Busch Blvd. Turn right on Kingsmill Parkway. Cross through Doubletree Avenue into the hotel parking lot.

# From the South:

Take I-71 North toward Columbus the OH 161/East Dublin Granville Rd exit. Turn left on 161. Turn right on Busch Blvd. Turn right on Kingsmill Parkway. Cross through Doubletree Avenue into the hotel parking lot.

