

# Tentative Program

Tuesday, March 15, 2016

**11:00am Trade Show Set Up**

**12:00pm Registration / Trade Show / Refreshments / Lunch on Own**

**1:00pm-1:50pm Introduction and Welcome / Opening Session**

**Storm Water Best Management Practices for Local Roadways\***

Mark McCabe, CPESC, CESSWI, CMS4S, ENV SP, Associate, Gresham Smith & Partners

Jon Prier, PE, Environmental Hydraulic Engineer, ODOT Office of Hydraulic Engineering

*This presentation will provide information on what the tool is, how it works, how to use it, where the tool is located, how to access the tool and how to provide user feedback, complete tool surveys and potentially modify the tool to fit your local storm water post-construction BMP requirements.*

**2:00pm-2:50pm Bioengineering Bank Stabilization for Roadway Protection (Martz Paullin Road Case Study)\***

Charles Petty, PE, Assistant Engineer, Warren County Engineers Office

Neil Tunison, PE, PS, Warren County Engineer

Joel Thrash, Operations Manager, Senior Water Resource Specialist, Cardno

*This presentation will highlight an example of stream bank erosion and degradation resulting in threats to roadway infrastructure, including public health and safety. The presentation will use Martz Paullin Road in Franklin, OH as a case study where different stabilization solutions were evaluated against time and budget when financial resources are limited. WCEO will outline the pre-restoration project conditions that led to a road closure as well as the various design and cost alternatives that were explored to remedy the problem. WCEO will also describe the various funding considerations and ultimately the way in which the project was able to be financed and the decision making process that led to a bioengineering solution. Cardno will discuss the design, permitting, and construction aspects of the project which led to the reopening of Martz Paullin Road in 2016. As regulatory permitting is a major consideration to almost any bank stabilization solution involving "regulated waters," Cardno will further discuss upcoming changes to the Nationwide Permit Program in Ohio as it affects linear transportation, bank stabilization and roadway maintenance projects in the future.*

**2:50pm-3:15pm Trade Show Refreshment Break**

**3:15pm-4:30pm Creating a Storm Water Utility – A Lake County Success Story\***

Tim Miller, MPA, CMS4S, Director, Lake County Storm Water Management Dept

Jim Gills, PE, PS, Lake County Engineer

*In 2002, Lake County undertook the challenge of creating a volunteer storm water agency. This presentation starts at the beginning and follows the agency's progress and growth through today. An overview of the types of projects, user fees, income, rules and regulations, organizations, etc. will be covered.*

**4:30pm Trade Show Reception**

*Visit our exhibitors and network with your counterparts. Refreshments will be served.*

*\*All technical sessions have been recommended for CPD credit for a maximum of **6.75 CPD hours**. Please note that the final determination of what qualifies for CPD credit ultimately lies between the license holder and the State Board of Registration for Professional Engineers & Surveyors.*

# Tentative Program

Wednesday, March 16, 2016

**7:30am Continental Breakfast**

**8:30am-9:00am Managing for Myotis and Mussels: The Impact of Protected Bat and Mussel Species on Project Planning\***

Christy Pirkle, MS, Senior Environmental Scientist, Associate, EMH&T

*State and federal laws protect many declining species in Ohio. The requirements associated with these regulations have the potential to significantly impact project planning and successful project delivery. This presentation provides an overview of important planning considerations for County Engineers, for the Indiana bat, northern long-eared bat, and protected mussels.*

**9:00am-9:50am Town Run Stream Restoration\***

Conner Smith, Environmental Engineer, Hull & Associates, Inc.

*The Marysville Town Run Restoration Team, including the City of Marysville, the Union County Chamber of Commerce, adjacent landowners, and the Bokes/Mill Creek Watershed Partnership, first convened in 2007 to formulate an approach to address this community eyesore.*

*After successfully securing a \$322,877 federally-sourced Section 319 grant from Ohio EPA and \$186,785 from the Clean Ohio Conservation Fund, Hull was hired to redesign the stream channel and prepare construction documents. Once construction started, Hull provided construction oversight to ensure the stream restoration was completed according to plan. This was one of the first uses of Section 319 funding for an urban stream restoration project.*

**10:00am-10:50am Park West Drain Green Infrastructure\***

Joe Bush, Water Resources Commissioner, Ottawa County Michigan

Brian McKissen, PE, CFM, Senior Civil Engineer, Fishbeck, Thompson, Carr & Huber, Inc. (FTCH)

*The project features a 7-mile biofiltration system for flood control, which prevents storm water pollution from entering Lake Macatawa. A holistic approach was employed by providing storm water management and green infrastructure practices to protect water quality and reduce storm water runoff impacts. The project received a \$1.73 million MDEQ Innovation and Technology Grant.*

**11:00am-11:50am ODOT Location and Design Manual, Volume Two Updates – Post Construction BMPs\***

Jon Prier, PE, Environmental Hydraulic Engineer, ODOT Office of Hydraulic Engineering

*ODOT's storm water management program was audited by Ohio EPA in 2014 and 2015. As a result of the MS4 regulatory program audit, ODOT made several changes to post-construction BMP guidance in the L&D Volume 2. This presentation will give an overview of significant updates for each type of post-construction BMP.*

**11:50am Closing Remarks**

Neil Tunison, PE, PS, Warren County Engineer, Committee Co-Chair

Jim Gills, PE, PS, Lake County Engineer, Committee Co-Chair

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