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Boston Chapter

Assessing the Effects of Climate Change to the Massachusetts Central Artery and Beyond

Kirk Bosma, PE

Project Manager and Coastal Engineer, Woods Hole Group, Inc.

Tuesday, March 15, 2015

The Chateau, 404 Boston Providence Highway, Norwood MA
5:45 PM Social/Registration; 6:30 PM Dinner; 7:00 PM Presentation

The Central Artery/Tunnel Project (CA/T) is a critical link in the regional transportation network and is subject to adverse impacts of climate change. Assessments of the exceedance probability of storm surge water surface elevations, considering climate change, have helped decision makers identify areas of existing and future vulnerability and develop adaptation strategies and engineering alternatives.

This presentation will focus on a key component of the climate change assessment: the development of the Boston Harbor Flood Risk Model (BH-FRM). Examples of model output and interpretation will be presented. Results of this probabilistic model are currently being utilized for planning by many stakeholders and communities beyond MassDOT, and due to the success of the CA/T evaluation, the same methodology is now being applied to the entire coast of Massachusetts.

Mr. Bosma is a senior coastal engineer and team leader of the Coastal Sciences, Engineering & Planning team at Woods Hole Group. He specializes in applying numerical models to optimize engineering designs and reduce overall project lifecycle costs. Mr. Bosma holds an MS in coastal engineering from the University of Delaware and a BS in civil engineering from Calvin College.

Registration Deadline: Monday, March 7, 2016

$55 Members, $70 Non-Members
$45 Public Sector Members, $55 Public Sector Non-Members
$45 Senior Members (65+), $25 Students

Information/Registration:

Register to attend this meeting and pay by credit card online at http://bit.ly/COPRI03-16. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a BSCES Event Registration Form and follow the submission instructions. Cancellations received after March 7, 2016 and no-shows will be billed.

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This presentation provides 1.0 Professional Development Hours (PDH)

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