



**Planning Highway Projects Using Alternative Practices
for Stormwater Management
June 15, 2006 (1:00 – 2:30 p.m., EDT)**

AGENDA

Time	Topic	Speaker(s)
1:00	Topic Overview & Introduction of Speakers	Bill Gilmore, North Carolina Dept. of Environment and Natural Resources (moderator)
1:05	Maryland State Highway Administration example - Watershed-scale planning for highway stormwater management - Green Highways Initiative	Raja Veeramachaneni, MD State Highway Administration
1:13	District of Columbia Department of Transportation example - Urban challenges and opportunities - Anacostia Riverfront	John Deatrick, DC Department of Transportation
1:21	California Department of Transportation example - BMP research - Considering best management practices and low impact development techniques at the planning stage	Timothy Sobelman, CA Department of Transportation
1:30	Panel Discussion: - When is watershed-scale planning appropriate? - Incorporating maintenance concerns into the planning process	Panel
1:50	Break (10 minutes)	
2:00	Panel Discussion & Audience Q&A*	Panel with Audience
2:29	Wrap-Up	Bill Gilmore
2:30	Program adjourns	

*Please feel free to send email questions throughout the program. If you would like your call taken on the air, please hold your question until 2:00pm.

SPEAKER AND MODERATOR BIOS

Moderator

William D. Gilmore, P.E.

*Director, Ecosystem Enhancement Program
North Carolina Department of Environment and Natural Resources*

Mr. Gilmore is the director of the Ecosystem Enhancement Program (EEP). The EEP, a programmatic North Carolina Department of Environment and Natural Resources (NCDENR) wetland and stream remediation and protection program, services the general public through the N.C. Wetlands Restoration Program created through the legislature, and the Department of Transportation (NCDOT) through a partnered agreement with the U.S. Army Corps of Engineers.

Mr. Gilmore is a registered professional engineer with civil engineering degrees from N.C. State University. His career has included transportation-related heavy civil engineering, planning and design for State Agencies and the private sector. Prior to his position at EEP, he served as NCDOT Branch Manager for environmental documentation, natural and human systems studies and mitigation. As director of EEP and working with professional engineering, banking, planning, legal, and departmental executives, Mr. Gilmore is restructuring the State's mitigation program to provide advance mitigation through watershed planning, implementation and construction. EEP is currently managing approximately 300 mitigation projects totaling 1 million feet of stream and 12,000 acres of wetlands, valued in excess of \$500 million.

Speakers

Mr. Raja Veeramachaneni, P.E.

*Director, Office of Planning and Preliminary Engineering
Maryland State Highway Administration*

In this capacity, Raja leads four divisions at the Maryland State Highway Administration (SHA) that are responsible for Regional and Intermodal Planning, Project Planning, Highway Information Services, Program Development and Asset Management. All of SHA's major capital projects are developed through their project planning phase under his direction.

Prior to the current assignment as SHA's Planning Director, Raja Veeramachaneni was the Chief of the Highway Hydraulics Division at the SHA. He served as the Chairman of the American Association of State Highway and Transportation Officials (AASHTO) Technical Committee on Hydrology and Hydraulics, and has had numerous presentations and publications over time. Raja was a member of a committee that produced Maryland's Stormwater Design Manual, and the Urban Stormwater Working

Group of the Chesapeake Bay Program. He studied civil engineering in India (J.N.T. University and Indian Institute of Technology) and at Clemson University, specializing in hydraulics and water resources engineering, and numerical modeling. He has been working at SHA since 1988.

Mr. John F. Deatrick, P.E., AICP

Deputy Director-Chief Engineer

District of Columbia Department of Transportation (DDOT)

Since 2002, Mr. Deatrick has led the DDOT capital construction, asset management, and maintenance activities; including a new team to plan, design, and construct transportation infrastructure to implement the Anacostia Waterfront Initiative (AWI) Framework Plan. The office has recently won national and local awards for Georgetown Reconstruction Project and for work on the AWI. Previously, he was Director of the City of Cincinnati Department of Transportation.

Mr. Deatrick is a U S Navy veteran, Professional Engineer in Ohio and the District of Columbia, a Chartered Engineer in the United Kingdom, and holds recognition as a member of the American Institute of Certified Planners/APA. He has received degrees from University of Cincinnati and University of Maryland with advanced course work at the Catholic University of America and the University of Cincinnati. He is a recipient of the Top 25 Newsmakers Award of Excellence from *Engineering News Record*.

Timothy B. Sobelman, P.E.

Chief of the Office of Storm Water Management - Design

California Department of Transportation

Mr. Sobelman graduated from the University of Pittsburgh, in Pennsylvania, with a Bachelor of Science Degree in Civil Engineering and is a Registered Civil Engineer in California. Tim is the Chief of the Office of Storm Water Management – Design, for the California Department of Transportation (Caltrans). His office is responsible for overseeing the statewide development and implementation of appropriate guidance, procedures and strategies that will effectively implement storm water management practices into the planning and design phases for all Caltrans projects. Prior to his current assignment, Tim worked as the Caltrans Project Manager for Lake Tahoe and was responsible for overseeing the development of the Caltrans portion of the Lake Tahoe - Environmental Improvement Program. Prior to working with Caltrans, Tim worked with various consulting firms in New Jersey and California on transportation and land development projects.

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