

DRAFT WORKSHOP CONCEPT

(Updated May 21, 2009)

Retrofitting the Region's Roads and Highways to Protect Water Quality

November 5, 2009

8:30 a.m. to 4:00 p.m.

Metropolitan Washington Council of Governments Training Center

Introduction – The proposed Workshop: “**Retrofitting the Region's Roads and Highways to Protect Water Quality**” will explore strategies to implement stormwater retrofits on region's roads and highways to protect water quality.

Date, Time and Location

- Date & Time: November 5, 2009; 8:30 a.m. to 4:00 p.m.
- Location: The Training Center on the 1st Floor at the Metropolitan Washington Council of Governments at 777 North Capitol Street, NE, Washington, DC
- A separate display area will be set up in an adjacent room
- Registration will be online and include a modest fee for the cost of food and refreshments

Content - The workshop is designed to:

- Describe the impacts of stormwater runoff from the region's roads and highways, including quantity, quality and thermal impacts;
- Examine strategies to retrofit local roads with stormwater controls to protect water quality;
- Examine strategies to retrofit arterial roads and highways with stormwater controls to protect water quality;
- Review the region's regulatory requirements applicable to state and local road systems;
- Promote an understanding of operations and maintenance considerations;
- Present exemplary case studies; and
- Examine funding sources in support of improved stormwater controls.

Agenda

- A draft agenda outline appears on the next page.

Who Should Attend –

- Local, state and federal officials and private design and construction firms with responsibility for managing the region's road and highway systems;
- Local, state and federal officials with responsibility for protecting the region's water quality; and
- Other stakeholders with an interest in the linkage between water quality and stormwater runoff from the region's roads and highways.

Outcomes & Products

- Summaries of case studies
- Copies of presentations
- Strengthened ties between transportation and environmental protection agencies at the local, state and federal levels
- Improved awareness of funding opportunities
- Ideas for legislative and regulatory action, including funding provisions

WORKSHOP PRELIMINARY AGENDA

- **Registration** (8:30 – 9:30)
Coffee & Danish in the display area

MORNING SESSION- 9:30 to 12:30

- **Welcome & Introductions** (5 minutes)
- **Keynote Speaker** (20 minutes)
 - A senior transportation official such as Sec. John Porcari (moving from MDOT to Federal DOT)
 - Someone from academia with a visionary yet practical perspective;
 - An innovative road/highway designer.
- **Presentation: Road and Highway Impacts**
COG Staff
Background information regarding roads & highways and impacts (quantity, quality & thermal) from stormwater: imperviousness; runoff characteristics; impairments; and photographs of adverse impacts and effective green practices.
15 minutes
- **Retrofitting Highways for Upgraded Stormwater Control**
Highway/Arterial Retrofit Panel
Two or three presenters from a transportation agency or a design firm using specific examples. Focus on upgrades to or major expansion of an existing highway. Includes discussion of costs; safety and other constraints; operations and maintenance considerations.
Presentations: 40-45 minutes
Discussion: 15-20 minutes
- **Break**
20 minutes
- **Retrofitting Local Residential Roadways for Upgraded Stormwater Control**
Local Roadway Panel
Two or three presenters from a transportation agency or a design firm using specific examples, possibly from Seattle and/or Portland. Focus on existing development or major redevelopment. Includes discussion of specific technology & BMPs, including street trees; costs; safety and other constraints; operations and maintenance considerations. Address
Presentations: 40-45 minutes
Discussion: 15-20 minutes

LUNCHTIME - 12:30 to 1:30

- **Lunch, Displays & Networking**
60 minutes

AFTERNOON SESSION- 1:30 to 4:00

- **Regulation: Road Codes, MS4s & TMDLs**
Regulatory Panel
Two or three presenters examining how and where regulatory requirements can or may affect retrofitting of roads and highways. This will include local Road Codes (e.g. Montgomery County's); MS4 permits for localities and for highway departments; and load allocations and implementation aspects of TMDLs where roads and highways are significant pollution sources.
Presentations: 40-45 minutes
Discussion: 15-20 minutes
- **Funding**
Funding Panel
Presentation of the stormwater funding provisions (if passed by then) or prospects (if still pending) of the new federal highway bill; provisions and prospects for Maryland, Virginia and the District. Funding for retrofitting local roads.

Presentations: 30 minutes

Discussion: 15 minutes

- **Roadways and Pollution Prevention**

- **P2 Panel**

Using pollution prevention techniques to reduce pollution from roads and highways. Addresses deicing salt, street sweeping and other P2 techniques to protect water quality.

Presentations: 30 minutes

Discussion: 15 minutes

DISPLAYS

Food and displays will be set up in Room 4/5 adjacent to the Training Center. These will be open for networking during the registration period, breaks and lunch time.

Invitations to set up displays will be extended to:

- Federal, state and local transportation agencies, such as:
 - FHwA;
 - MD SHA;
 - VDOT; and
 - Local transportation agencies from throughout the COG region.
- Federal, state and local environmental agencies, such as:
 - US EPA;
 - MDE & DNR;
 - VA DEQ & DCR; and
 - Local environmental and permitting agencies from throughout the COG region.
- Road, highway and site design firms
- Road and highway construction firms
- Vendors of runoff control technology
- Land use and comprehensive planning agencies.
- NGOs.