**AGENDA: 8:00am - 3:30pm (2 Days)**

**Outcomes:** Upon completion of this course, participants will be able to:

- Identify and characterize the quantity and quality of highway runoff
- Describe design concepts & considerations in selecting and siting appropriate BMPs for controlling highway runoff
- List major Federal requirements that apply to management of highway runoff
- Explain how to select a mitigation strategy from a watershed perspective and how to integrate mitigation into the project development process
- Develop conceptual designs for various BMPs considering treatment targets, design requirements, BMP performance goals, and siting & maintenance considerations.

*Lunch is “on your own” each day.*

**Total Contact Hours = 12.0 (with lunch times & break times subtracted).**

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**Description** – In reaction to the impact of human activity on water quality, the Clean Water Act was passed in 1972 in order to restore and maintain the chemical, physical, and biological integrity of the Nation’s waters. The act regulates discharges to U.S. waters through permits issued under the National Pollutant Discharge Elimination System permitting program and places requirements on State transportation agencies for managing runoff water quality. Understanding the legal responsibilities, terminology, and the general roles of players in the regulatory process is critical in order to properly plan for, budget, and implement water quality management. The intent of this course is to provide a basic understanding of water quality parameters, processes, requirements, and best management practices (BMPs) in order to provide the transportation community with guidance on how to mitigate impacts and protect water quality. The course shares approaches and technologies for the water quality management of highway storm water runoff, including the effective maintenance, inspection, and performance evaluation of BMPs.

**Who Should Attend?** – State department of transportation staff who negotiate permit conditions with the appropriate State agency; design engineers who must be cognizant of permit requirements; construction personnel who implement the highway designs; inspectors who ensure that water quality management features (BMPs) are functioning as designed; biologists who identify habitat for wildlife and potential ecosystem impact; landscape architects and botanists who ensure that vegetation is preserved to maximum extent practicable and that appropriate vegetation is used to provide water quality benefits after construction; and environmental scientists who monitor and evaluate water quality.

**Instructor** – Stuart Stein, President, GKY & Associates, Inc., Chantilly VA.

**Registration Information** – LTAP is managing the registration process for ALL participants. The registration fee is $900 per NHI. No meals are provided; lunch is on your own. Any registrant requiring a reasonable accommodation during training (i.e., mobility or access) should contact LTAP prior to the course date so that the appropriate arrangements can be made. **Note: Registrants who will be unable to attend the training after registering are required to cancel a minimum of 21 days prior to the course start. Staff substitutions are encouraged. No refunds will be processed for cancellations less than 21 days prior to course start.**

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Please visit [https://ltap.enrollware.com/schedule](https://ltap.enrollware.com/schedule) to access the online registration system. Select the course name from the Schedule page, and then scroll down to click on the session date/location highlighted in green font to proceed.

**ODOT Employees Payment Information:**

Please provide your District / Division _____

Cost Center _____ SAC ______ in the ADDITIONAL INFORMATION section (Q010) of the online registration form. The $900 fee will be charged to your account. Registrations submitted without payment information will not be processed.

**Water Quality Management of Highway Runoff – NHI**

**June 18-19, 2019**

**Columbus (CEN)** – ODOT Central Office, Room GB

1980 W. Broad Street (43223)

Fee (per NHI): $900.00

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If you have any questions regarding your registration, please contact Ohio LTAP at ltap@dot.ohio.gov or (614) 387-7359.