

# WINTER ROAD MAINTENANCE

## Innovations in Snow and Ice Management

JANUARY 29, 2016 - NJ LAW CENTER, NEW BRUNSWICK, NJ

\*Approved by the State of NJ, DCA for CPWM (Public Works Managers) 4 CEUs – TECHNICAL

9:00 - 9:30 \*Registration, Full Breakfast Buffet

9:30 - 12:50 Winter Maintenance Practices include plowing, sanding, and applying winter anti-icing liquids. The combination of practices used at each site may vary to accommodate the different climate, traffic, and storm conditions encountered. Goal is to provide safe roadway.

Maintenance practices include: Plowing: Using snowplows and other equipment to remove snow and ice from bridges and roads.

Applying material specified for each area (includes various sizes of gravel or cinders) on highways to improve vehicle traction. Winter liquid products are used in several ways: To melt snow and ice on the road surface(used as a deicer). To help prevent snow and ice from sticking to the road surface (used as an anti-icer). In conjunction with sand to help the sand stick to icy roads(used to pre-wet sand).

Using winter anti-icing/deicing liquids as tools to improve safety, improve the efficiency of time spent plowing, and address environmental concerns resulting from other methods of snow removal. Other states that use winter anti-icing/deicing liquids have had reductions in wintertime motor vehicle crashes. Additionally, the anti-icing/deicing liquids can be cheaper than sanding and may reduce the amount of time spent plowing.

Winter anti-icing/deicing liquids are applied to the road in order to lower the freezing temperature of water and to prevent ice and snow from forming a bond to the roadway surface. These products are used for:

Anti-icing: The product is applied to the road before a storm to reduce the buildup of snow and ice, to prevent the ice or snow from forming a bond to the roadway surface and to help in removal of the snow or ice after the storm.

De-icing: The product is applied to a layer of ice or snow that is on the road. This will assist in melting the ice or snow.

Pre-wetting: The product is mixed into sanding material. This makes the sanding material stick to the ice or snow, and helps to prevent traffic from blowing the sanding material off the road.

**Instructor: Dr. Jay N. Meegoda, Ph.D, P.E., NJIT**

Directions-Law Center on our web site: <http://ipd2.com>

**Mail Checks to:** In Order to receive proper credit, please mail checks along with this part of the flyer to:  
Institute for Professional Development  
P.O. Box 1468, Clifton, NJ 07015-1468 - Phone (973) 777-4200

**Payment Due Before Seminar**

I wish to register for the Winter Road Maintenance 1/29/16. \_\_\_\$99 per person \$125 at Door Registration

**FAX YOUR REGISTRATION (973) 777-0401**

Cancellation Policy - 48 Hours before seminar in writing.

**\*\*During Inclement Weather Check our web site <http://ipd2.com> Day Before Seminar\*\***  
**SEMINAR INCLUDES FULL BREAKFASTBUFFET**

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

ORGANIZATION OR GOVERNMENTAL UNIT PHONE NUMBER

FAX NUMBER

**CLAIMANTS CERTIFICATION & DECLARATION**

I do solemnly declare and certify under the penalty of the law that the within bill is correct in all its particulars, the articles have been furnished or services rendered as stated herein, that no bonus has been given or received by any person or persons within knowledge of this claimant in connection with the above claim and that the amount charged is a reasonable one.

Just send your check with the application form!  
You do not need to send us your Voucher for a separate signature since the presigned certification on the left can be attached to your voucher in lieu of sending it to us for a signature. This form has been determined by DLGS to meet the requirements of the statutes for this type of expenditure.

*Michael F. Conti*

Michael F. Conti, Program Coordinator

P.O. Box 1468 , Clifton, NJ 07015-1468 - (973) 777-4200