

# Long Life Concrete Pavement Joint Performance in Urban Areas

March 12, 2015

Holiday Inn Madison at the American Center, Madison, WI

## Workshop Background

During the last several years, a problem has arisen involving deterioration of concrete at the joints on pavements in cold weather states where deicing chemicals are routinely used. This durability concern is being addressed with a training program sponsored by the Ready Mix Concrete Research & Education Foundation, (NRMCA), Portland Cement Association (PCA) and a Transportation Pool Fund Study TPF 5 (224) and presented by the National Concrete Pavement Technology Center (CP Tech Center).



## Training Opportunities

The training will be provided to the engineering managers of urban areas on the cause and prevention of premature joint deterioration in concrete pavements. The CP Tech will present the training to seven pooled fund states. This technical support is to be provided to those municipalities that are experiencing this condition in their concrete pavements and are in need of training to maintain their existing investment and prevent the reoccurrence of this problem on future projects.

The training will address joint deterioration that may already be evident on concrete pavements, how to prevent it from occurring on future projects and recommendations on mitigation practices to slow or stop the progress of joint deterioration.

The workshop will focus on joint distress due to freeze-thaw action and will also cover distresses caused by improper air entrainment, joint detailing or construction, inadequate materials and proportioning and material related distresses.

## Workshop Agenda

### CP Tech Center's Presentation Team:

Dr. Peter Taylor, CP Tech Center

Gary Fick, Trinity Construction Management Services, Inc.

Time	SUBJECT
1 ½ hrs.	Mechanisms of Joint Deterioration
15 mins.	<b>BREAK</b>
1 hr.	Drainage Issues & Solutions
45 mins.	<b>LUNCH</b>
35 mins.	Achieving what is Needed. Mixture & Construction Practices Guide Specifications
35 mins.	Quality Assurance & Testing
15 mins.	<b>BREAK</b>
30 mins.	Industry Lead Discussion
1 ½ hr.	Partial Depth Repairs; Thin Overlays & Reestablishing Load Transfer

## Workshop Materials

The workshop materials will include PowerPoint presentations and handouts which will be based on current research information and corresponding technical guides. The training materials will address mitigation methods and will be based on current joint deterioration guides and tech briefs and will be provided on a CD.

## Who to Contact

Wisconsin Concrete Pavement Association  
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608-240-1020

Register online at [www.wisconcrete.org](http://www.wisconcrete.org)



National Concrete Pavement  
Technology Center

