

2012 MUNICIPAL STREETS SEMINAR

For public works directors, engineers, street superintendents, maintenance personnel, consultants, city administrators, and elected city officials.

November 14, 2012 – Ames, Iowa Scheman Building, 1810 Lincoln Way, Iowa State University

National Concrete Pavement
Technology Center

IOWA STATE UNIVERSITY
Institute for Transportation



- ▶ Beyond Maintenance Bonds: Enhanced Protection for Cities
 - ▶ Recent Trends in Regional Price Trends
- ▶ Public Right-of-Way Accessibility Guidelines
 - ▶ Update on Revenue Options for Street Improvements
- ▶ Update on Joint Performance
 - ▶ Concrete Overlays in an Urban Cross-Section
- ▶ Pavement Thickness Design Parameter Impacts

8:00 **Registration, Breakfast and Welcome** – Moderator, Dale S. Harrington, representing the CP Tech Center

8:30 **Beyond Maintenance Bonds: Enhanced Protection for Cities** – John Cunningham, Iowa Concrete Paving Association
In this review of past practices and new options, a briefing on results from a statewide task group will be provided. The task group investigated current use of maintenance bonds and the desire for even greater protections. The result of the year-and-a-half meetings was the outline of a new mechanism called a "maintenance trust account".

8:45 **Recent Trends in Regional Price Trends** – Gordon Smith, Iowa Concrete Paving Association
A brief overview of the trends in paving prices over the last decade will be provided. Included in the discussion will be general guidelines for estimating paving costs. Also included will be a comparison of concrete and asphalt costs and competition.

9:00 **Public Right-of-Way Accessibility Guidelines** – Deanna Maifield, Iowa DOT Office of Design
After decades of development the Public Right-of-Way Accessibility Guidelines are in the process of being adopted into law. Find out what Iowa has done so far, why this is important, when to start implementing the new rules, and tips to make it a little easier.

9:45 **BREAK**

10:00 **Update on Revenue Options for Street Improvements** – Mark Cory, Ahlers and Conney Law Firm
The various economic options that exist to help cities undertake necessary street improvements are explored. These include TIFs, special assessments, and general obligation bonds. (Handout)

11:30 **LUNCH**

12:30 **Update on Joint Performance** – Dr. Peter Taylor, National Concrete Pavement Technology Center
The progress of the research work investigating causes behind premature deterioration of joints in concrete pavements will be presented. The presentation will include discussion about why it is happening; provide some guidance about how we can reduce the risk in new concrete and how to repair existing pavements.

1:15 **BREAK**

1:30 **Concrete Overlays in an Urban Cross-Section** – Panel Discussion with Cities
A review of the Cities' experience with concrete overlays will be presented. Limitations with the cross-section in an urban environment provide unique challenges and solutions. Insight on specific projects that highlight how Cities have dealt with the uniqueness of the urban cross-section and concrete overlays.

2:15 **Pavement Thickness Design Parameter Impacts** – Paul Wiegand, SUDAS
The impacts of the input parameters and the default values in industry developed software to pavement thickness design will be explained. Typical examples will be shown and alternates to the software design systems presented.