

EIGHTH

INTERNATIONAL CONFERENCE ON

CONCRETE PAVEMENTS

*Innovations for Concrete Pavement:
Technology Transfer for the Next Generation*

Organized by:

International Society for Concrete Pavements

August 14-18, 2005

Colorado Springs, Colorado, USA

FOREWORD

These are the proceedings of the Eight International Conference on Concrete Pavements, organized by the International Society for Concrete Pavements (ISCP). This is the eighth in a series of such conferences to bring together experts from all over the world to discuss the state of the art of concrete pavement design, construction, evaluation, performance, and rehabilitation. Additional topics addressed include precast pavements, bases, sealants, joints, and drainage.

The First International Conference on Concrete Pavement Design was held at Purdue University on February 15-17, 1977. The Second International Conference on Concrete Pavement Design was held in Indianapolis, Indiana on April 14-16, 1981. Both of these conferences were planned and organized by Eldon J. Yoder, Professor of Civil Engineering at Purdue University. The Third International Conference, dedicated to his memory and his many contributions to the engineering profession, was held on April 23-25 at Purdue University. The Fourth and Fifth conferences were also held on the Purdue Campus in 1989 and 1993, respectively. The Sixth Conference was held in Indianapolis, Indiana in 1997. The Seventh Conference was held at the Disney Coronado Springs Resort in Orlando, Florida, on September 9-13, 2001. The Eighth Conference was held at Colorado Springs, Colorado.

The papers presented in these proceedings were selected through peer review from manuscripts submitted in February 2005. Seventy-eight papers were accepted for this conference on the basis of the peer review comments. The papers published in these proceedings have been organized in the same format as that of the general program, as described on page v.

We would like to take this opportunity to thank the authors and the many reviewers who volunteered their time to ensure that the papers that appear in these proceedings are of the highest quality. We wish to thank the members of the conference steering committee and the technical program subcommittee for their tireless efforts in developing the overall conference program and the technical program. We extend special thanks to all of the program cosponsors for their financial support and their guidance in developing the final program. We would like to thank Dr. Ayesha Shah for her assistance with manuscript preparation and coordination of correspondence with the authors and reviewers. Finally, we would like to thank Nona Schaler and her staff at the Conference Division at Purdue University for all of their efforts in support of the planning and organization of the conference.

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Mission – To further engineering and technical education, scientific investigation, and research in all areas related to analysis, design, construction, maintenance, rehabilitation, and management of concrete pavements.

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8th International Conference on Concrete Pavements

Colorado Springs, Colorado • August 14-18

	Sunday, August 14	Monday, August 15	Tuesday, August 16	Wednesday, August 17	Thursday, August 18
6:30 AM		Breakfast	Breakfast	Breakfast	Technical Site Visits
7:00 AM		Registration	Registration		
8:00 AM	Registration	Plenary Session	Session 7: Balancing Durability, Safety, Noise and Sustainability Session 8: Continuously Reinforced Concrete Pavement-Design and Performance	Session 11: Analysis and Design of Concrete Overlays Session 12: Non-Destructive and Accelerated Load Test Applications	Recreational Trips
10:00 AM		Break	Break and Poster Session	Break	
10:30 AM	ISCP Board Meeting Open to all	Session 1: Concrete Pavement Practices Around the World Session 2: Analysis of Field Performance Data – What Have We Learned?	Session 9a: New Concepts for Design Session 9b: Ride Quality: Specification and Measurement Session 10: Precast Concrete	Session 13: Pavement Rehabilitation Session 14: Concrete Pavement Analysis and Behavior (including Curling and Warping)	
12:30 PM		Lunch	Lunch	Award Lunch and Closing Ceremony 12:30-2:00 PM	
1:30 PM	Hot Topic Workshops	Session 3a: The Impact of Concrete Pavement Design and Construction on Performance Session 3b: Pavement Management and Policies Session 4: Improving Concrete Performance in Cold and Hot Regions	Hot Topic Workshops	2:00-4:00 PM Session 15: Concrete in Airport Applications Session 16: Tools and Concepts for Pavement Design	
3:30 PM		Break & Poster Session			
4:00 PM	Workshops end 6 PM	Session 5: Joint Design and Construction/ Alternate Dowel Materials Session 6: Use of Innovative Materials in PCC Paving Sessions end 6 PM		Conference Ends 4:00 PM	
6:00 PM	Poster Presentations on Research In-Progress				
7:00 PM	Opening Reception/ Exhibit Opens	Dinner			

Volume I

Session 1: Concrete Pavement Practices Around the World

Moderator: Adrian van Leest, CROW, The Netherlands

Design of Concrete Pavements: A Comparison between Swedish and U.S. Methods

Johan Söderqvist and Johan Silfwerbrand 1

Design and Construction of Seamless Pavement on Westlink M7, Sydney, Australia

Steve Griffiths, Geoff Bowmaker, Chris Bryce, and Russell Bridge 21

Cement Concrete Pavements in the Hungarian Road Policy

László Gáspár and Katalin Karsai 39

Innovative Aspects of the Concrete Pavement Design Standard for São Paulo Highways

Tatiana C. Cervo, Andréa A. Severi, Marcos P. Rodolfo, Deividi S. Pereira, and José T. Balbo 61

Modieslab Innovative Concrete Pavement Structure: From Idea through Research to Implementation

Lambert J.M. Houben, Marinus Huurman, Jasper van der Kooij, and Siem Poot 75

Session 2: Analysis of Field Performance Data - What Have We Learned?

Moderator: Kurt Smith, Applied Pavement Technologies, Inc., USA

The Roodekrans Trial Sections: The Role of Structural Support under Very Thin Jointed and CRC Pavements Subjected to Heavy Traffic

WJvdM Steyn, P J Strauss, B D Perrie, and L du Plessis 93

Concrete Pavement Performance and Research at the Minnesota Road Research Project – The First Ten Years

Thomas Burnham 109

Assessing Damage, Sorptivity, Air Content, and Strength of Portland Cement Concrete Pavements in Indiana

Zhifu Yang, Jason Weiss, Jan Olek, and Tommy Nantung 128

Statistical Challenges Presented by the SPS-2 Experiment and Data

Neeraj Buch, Karim Chatti, Syed Waqar Haider, Aswani Pulipaka, Rick W. Lyles, and Dennis Gilliland 149

Session 3a: The Impact of Concrete Pavement Design and Construction on Performance

Moderator: Tatsuo Nishizawa, Ishikawa National College of Technology, Japan

Why Do Our Concrete Pavements Still Fail?

Raymond S. Rollings 167

Priority Issues for Performance and Durability

Geoff Ayton 181

Framework for Design and Construction of Long-Life Concrete Pavements

Shiraz Tayabji 208

Session 3b: Pavement Management and Policies

<i>Inventory and Analysis of Minor Concrete Infrastructure for the City and County of Denver</i> Saeedeh Chavooshi, Sam Brown, and Kevin Rens	221
<i>Dedicated Pavement Type Networks Based on a Probabilistic Life-Cycle Cost Analysis</i> Bertrand Cormier and Denis Thébeau	241

Session 4: Improving Concrete Performance in Cold and Hot Regions

Moderator: Jan Olek, Purdue University, USA

<i>Frost Salt Scaling Resistance Improvement of GGBFS Concrete by Na-MFP Treatment</i> Oguzhan Copuroglu, Alex Fraaij, and Jan Bijen	259
<i>Effect of Density on Strength and Freeze-Thaw Durability of Roller Compacted Concrete</i> Norbert Delatte, Nader Amer, and Chris Storey	268
<i>Effect of Surface Evaporation and Slab Thickness on the Scaling Resistance of Concrete Containing Fly Ash</i> Jinesh Mehta, Jan Olek, Jason Weiss, and Tommy Nantung	283
<i>Concrete Pavement in Desert Environments: An Investigation of Design and Construction Issues</i> J. Harvey, E. B. Lee, V. Lamour, V. Kannekanti, and Y. Bian	299
<i>Hydration Modulation Measures to Mitigate the Negative Effects of Paving Concrete in Hot Weather</i> Sehoon Jang, Anal K. Mukhopadhyay, and Dan G. Zollinger	322

Session 5: Joint Design and Construction/Alternate Dowel Materials

Moderator: Leif Wathne, American Concrete Pavement Association, USA

<i>Dowel Bar and Slab Size Recommendations Based on the Mechanistic-Empirical Pavement Design Guide</i> Dulce Rufino, Jagannath Mallela, and Michael Darter	340
<i>Evaluation of Narrow Transverse Contraction Joints in Jointed Plain Concrete Pavements</i> Masood Rasoulia, Hani Titi, and Mark Martinez	357
<i>Load Transfer through Aggregate Interlock: Crack Width, Aggregate Type and Performance</i> P. J. Strauss, B. D. Perrie, L. du Plessis, and D. Rossmann	372
<i>An Evaluation of Cathodically Protected Dowels for Concrete Pavements</i> Mark B. Snyder	392
<i>Alternative Dowel Bars for Load Transfer in Jointed Concrete Pavements</i> Roger M. Larson and Kurt D. Smith	415

Volume II

Session 6: Use of Innovative Materials in PCC Paving

Moderator: Norbert Delatte, Cleveland State University, USA

Innovative Admixture Technology Facilitates Rapid Repair of Concrete Pavements

Mark A. Bury and Charles Nmai 441

Roller-Compacted Concrete Pavement: An Industry Perspective

Kevin A. Wentland 453

Evaluation of Porous Concrete Pavements in Japan

Yoshiki Murata, Tatsuo Nishizawa, and Katsuro Kokubu 462

Development of High Performance Concrete Pavement Material: Recent Studies in India

Prafulbhai Anandjiwala, Yusuf Kalaniya, and Gajanan M. Sabnis 474

Experimental Study on Properties of Portland Cement Concrete Containing Recycled Asphalt Pavements

Baoshan Huang and Xiang Shu 485

Session 7: Balancing Durability, Safety, Noise and Sustainability

Moderator: Mark Swanlund, Federal Highway Administration, USA

Providing Durable, Safe, and Quiet Highways

Roger M. Larson, Larry Scofield, and James Sorenson 500

Tire-Pavement Interaction Noise: Recent Research on Concrete Pavement Surface Type and Texture

Narayanan Neithalath, Rolando Garcia, Jason Weiss, and Jan Olek 523

Skid Resistance of Concrete Pavement Surfaces – Practical Experience in Germany

Walter Fleischer, Rupert Springenschmid, and Thomas Wolf 541

PCCP Texturing Methods

Ahmad Ardani and William (Skip) Outcalt 559

Concrete Pavement a Sustainable Choice

Tim Smith and Robb Jolly 585

Session 8: Continuously Reinforced Concrete

Moderator: Kathleen Hall, Protech Engineering, USA

Performance of a Thin CRCP Inlay Designed for a Five-Year Life: A Case Study

P.J. Strauss, B.D. Perrie, and D. Rossmann 607

Repeated Load Behavior of Continuously Reinforced Concrete Pavements

Erwin R. Kohler and Jeffery R. Roesler 621

The Rehabilitation of the Antwerp Ring Road in CRCP

Emmanuel Diependaele and Luc Rens 639

<i>A Methodology for Evaluating the Cost-effectiveness of CRCP Design Features</i> Nasir G. Gharaibeh, Kelly L. Smith, and Michael N. Plei	658
<i>Design of Heavily Loaded Continuously Reinforced Concrete Pavements</i> Johan Silfwerbrand	674
Session 9a: New Concepts for Design and Construction	
Moderator: Maria Azevedo, CAeMD, LDA, Portugal	
<i>Joint Design and Joint Performance of Plain Concrete Pavements (JPCP) - Investigations and Experiences in Germany</i> Bernhard Lechner	690
<i>Twin-layer Continuously Reinforced Concrete Pavement on the N511 at Estaimpuis (Belgium): An Investigation of the Optimization of Surface Characteristics</i> Raymond Debroux and Raoul Dumont	703
Session 9b: Ride Quality: Specification and Measurement	
<i>Québec's Experience with Smoothness Specifications on Concrete Pavements</i> Denis Thébeau, Marie-Christine Delisle, and Bertrand Cormier	718
<i>Improved Techniques for Assessing Ride Quality on Concrete Pavements</i> Hans Prem and Geoff Ayton	733
<i>The Effect of Faulting on IRI Values for Jointed Concrete Pavements</i> Christopher R. Byrum and Rohan W. Perera	755
Session 10: Precast Concrete Pavement	
Moderator: Pieter Strauss, Trans-Pavement and Material Engineers, South Africa	
<i>Use of Innovative Pre-Cast Concrete Slab Repair Technology in Canada</i> Becca Lane and Tom Kazmierowski	771
<i>Using Precast Super-Slab® for Rapid Repair of Concrete Pavements</i> Peter J. Smith and Ernest J. Barenberg	789
<i>Expedited Construction Using Precast Prestressed Concrete Pavement in California</i> David K. Merritt, Kirsten Stahl, Samuel S. Tyson, and B. Frank McCullough	808
<i>Construction of The Precast Prestressed Pavement Installation on I-10 in El Monte, California</i> Dennis A. Morian and R. Jon Grafton	824
<i>Accelerated Repair of Jointed Concrete Pavements (JCP) using Precast Concrete Panels-Colorado Experience</i> Neeraj Buch, Kaenvit Vongchusiri, Brian Meeker, Michael Command, and Ahmad Ardani	840

Volume III

Session 11: Analysis and Design of Concrete Overlays

Moderator: Tom Kazmierowski, Ontario Ministry of Transportation, Canada

<i>A Pilot Study of Instrumented Unbonded Concrete Overlay in Toronto</i> Susan Tighe, Wilson Chung, Fiona Leung, Tom Ellerbusch, and Rico Fung	857
<i>Evaluation of Formulae in PCA Design Approach for Ultra-Thin Whitetopping over Composite Pavement Section Under Accelerated Loading</i> Scott A. Newbolds, Khaled A. Galal, Jan Olek, and Tommy Nantung	883
<i>A Review and Discussion of Current Developments Involving Bonded Concrete Overlays of Airfield Pavements</i> Peter M. Semen and Raymond S. Rollings	900
<i>A Method Introducing Deteriorating Bond at the Interfaces and Declining Load Transfer at the Joints in the Existing Design Methods for Concrete Pavements</i> Frans Van Cauwelaert and André Jasienski	911
<i>Concrete Overlay Design of Flexible Pavement Using the NCHRP 1-37A Design Guide - A Case Study</i> Michael I. Darter, Leslie Titus-Glover, and Jagannath Mallela	928

Session 12: Non-Destructive and Accelerated Load Test Applications

Moderator: John Harvey, University of California – Davis, US

<i>Estimation of In-Situ Concrete Flexural Strength Using Maturity</i> Chetana Rao, Walid Tabet, Richard Stubstad, and Tom Pyle	952
<i>Structural Evaluation of Concrete Pavements Based on Static and Dynamic Backanalysis</i> Kunihito Matsui, James W. Maina, and Tatsuo Nishizawa	969
<i>Evaluation of HPC Pavement in Nelsonville, Ohio, using Non-destructive Methods</i> Shad Sargand, Mark Swanlund, Julian Bendana, and Daniel Castro	980
<i>Impact of Slab Curling on Backcalculation Analysis</i> Sameh Zaghoul, Ivana Marukic, and Nick Vitillo	995
<i>The Second Generation of Minnesota Accelerated Loading Facility — Minne-ALF-2</i> Lev Khazanovich, Iliya Yut, Derek Tompkins, and Arturo Schultz	1013

Session 13: Pavement Rehabilitation

Moderator: Geoffrey Ayton, Road and Traffic Authority, New South Wales, Australia

<i>Fifteen Years Performance of a Concrete Pavement Rehabilitation Project in Canada</i> Tom Kazmierowski and Susanne Chan	1030
<i>An Investigation of Dowel Bar Retrofit Strategies</i> John Harvey, Y. Bian, M. Mancio, C. Cruz, and L. du Plessis	1043

<i>Innovative Approach to Rapid Rehabilitation of Concrete Pavement on Urban Highway</i> Eul-Bum Lee, John T. Harvey, Kunhee Choi, and David Thomas	1066
<i>Restoration of Concrete Pavement Using the NCHRP 1-37A Design Guide</i> Leslie Titus-Glover, Michael Darter, Chetana Rao, and Jagannath Mallela	1087
<i>Innovative Approach to Pavement Rehabilitation Analysis and Design of Runway (R/W) 15L-33R at George Bush Intercontinental Airport (IAH) in Houston, TX</i> Corey J. Zollinger, Dan G. Zollinger, Dallas N. Little, and A. Godiwalla	1101

Session 14: Concrete Pavement Analysis and Behaviour (including Curling and Warping)

Moderator: José T. Balbo, University of Sao Paulo, Brazil

<i>Evaluation of PCC Joint Stiffnesses Using LTPP Data</i> Lev Khazanovich and Alex Gotlif	1120
<i>Simulation of Concrete Fracture Using ABAQUS</i> Anastasios M. Ioannides, Jun Peng, and James R. Swindler, Jr.	1138
<i>Comparison Between Measured Slab Profiles of Curled Pavements and Profiles Generated Using the Finite Element Method</i> Julie Vandebossche and Mark B. Snyder	1155
<i>Finite Element Analysis of PCCP Curling and Roughness</i> Zahidul Siddique and Mustaque Hossain	1173
<i>Curling Under Different Environmental Variations As Monitored In A Single Concrete Slab</i> Edward H Guo, May M. Dong, and Hector Daiutolo	1189

Session 15: Concrete in Airport Applications

Moderator: Scott Murrell, Port Authority of New York and New Jersey, USA

<i>Case Studies in Accelerated Practices for Airfield Concrete Pavement Construction</i> David Peshkin, Monty Wade, James Bruinsma, and Norbert Delatte	1204
<i>The High Performance of the Concrete at the Shuttle Landing Facility</i> William R. Weiss and Bob Bryan	1222
<i>Application of Precast RC Slab Pavements at Airports</i> Yoshitaka Hachiya, Akihiko Ito, and Hideki Tanaka,	1231
<i>Large-Scale Airfield Concrete Slab Fatigue Tests</i> Jeffery R. Roesler, Jacob E. Hiller, and Paul C. Littleton	1247
<i>Potential for Development of Alkali-Silica Reaction (ASR) in the Presence of Airfield Deicing Chemicals</i> Prasada Rao Rangaraju, Jan Olek, Sidney Diamond, and Janet Lovell.	1269

Session 16: Tools and Concepts for Pavement Design

Moderator: Johan Silfwerbrand, Swedish Cement and Concrete Research Institute, Sweden

Remaining Service Life of Concrete Pavements

Ewa Flom and Michael I. Darter 1290

*VENCON 2.0: a Fast and Reliable Design Tool for Concrete Road Pavements
(Jointed and Continuously Reinforced Applications)*

Adrian J. van Leest, Marc J.A. Stet, and Jerome W. Frénay 1303

Analytical Technique to Mitigate Early-Age Longitudinal Cracking in Jointed Concrete Pavements

Seungwook Lim and Shiraz D. Tayabji 1322

Prediction of Top-Down Transverse Cracking in Jointed Plain Concrete Pavement

Yanfei Peng, Will Hansen, David L. Smiley, and Elin A. Jensen 1342