



## **David G. Peshkin, P.E.**

### **Chief Engineer**

#### **Education**

M.S., Civil Engineering,  
University of Illinois, 1987

B.S., Civil Engineering,  
University of Illinois, 1986

B.A., History, Swarthmore  
College, Pennsylvania, 1977

#### **Professional Registration**

Professional Engineer, Illinois,  
1991; also Delaware, Georgia,  
Maine, Massachusetts,  
Michigan, Nevada, New  
Hampshire, New York,  
North Carolina, North  
Dakota, Oklahoma, Rhode  
Island, Texas, Vermont,  
Virginia, and Washington

#### **INTRODUCTION**

Mr. Peshkin is a Vice President and Chief Engineer of Applied Pavement Technology, Inc. (APTech) with 33 years of pavement engineering experience. His technical efforts focus on the following areas: pavement management; pavement evaluation and design; technology transfer for pavement design, maintenance, and rehabilitation; forensic engineering and expert witness; and pavement research.

Mr. Peshkin is at the forefront of the airport pavement research field and is closely involved with pavement-related research advances within the aviation community, including projects on accelerated construction of portland cement concrete (PCC) pavements, the evaluation of PCC pavements with materials related distress (MRD) such as alkali-silica reaction (ASR), and the evaluation of HMA overlay design procedures. In 2019, he completed work on the Airport Cooperative Research Program (ACRP) Project 09-17, *Collecting, Applying, and Maintaining Pavement Condition Data at Airports*, now published as ACRP Research Report 203, *Guidelines for Collecting, Applying, and Maintaining Pavement Condition Data at Airports*.

Mr. Peshkin has extensive experience in airport pavement evaluation and design. He served as the Project Manager or Principal-In-Charge on APTech's pavement evaluation and design projects for constructing new runways and associated pavements at O'Hare International Airport. He has also led evaluation and design projects around the country as a Project Manager and as a subcontractor to other firms.

#### **REPRESENTATIVE AIRFIELD PAVEMENT EVALUATION AND DESIGN EXPERIENCE**

- Project Manager for the John Glenn Columbus International Airport (Ohio) Taxiway C Rutting Investigation. Overseeing all aspects of the project, which includes identifying the cause of rutting on Taxiway C and the development of appropriate solutions to the rutting.
- Project Manager for the Goa International Airport (India) Pavement Design. Investigating site conditions and making recommendations regarding the handling of local soils and placement lifts.
- Project Manager for the Mactan Cebu International Airport (Philippines) Pavement Evaluation. Conducted a site visit, reviewed records, analyzed data, and developed M&R recommendations.
- Project Manager for the Kempegowda International Airport (Bengaluru, India) Project-Level Pavement Assessment, as part of APTech's India joint venture, Applied Pavement Engineering Consultants Private Limited (APEC). APEC evaluated localized areas of pavement

deterioration, organized coring testing and non-destructive testing, and provided feedback on the causes of the observed deterioration.

- Project Manager for the Silvio Pettrossi International Airport (Asuncion, Paraguay) Pavement Maintenance Plan. Developed a pavement maintenance plan for Sacyr Concesiones.
- Project Manager for the Houston George Bush Intercontinental Airport (Texas) Taxiway NB Pavement Evaluation, as a subcontractor to Woolpert, Inc. Oversaw all aspects of APTech's portion of the project, which included performing a visual assessment, developing detailed PCI values, conducting FWD testing, and developing a report that summarizes conditions and offers M&R recommendations.
- Project Manager for the Kempegowda International Airport (Bengaluru, India) Inspection Update. Performed a visual inspection, reviewed maintenance records, and prepared a report.
- Project Manager for the Bangalore International Airport Limited (India) Runway 9-27 Mill and Inlay Assessment.
- Principal-In-Charge for the Colorado Springs Municipal Airport (Colorado) Apron and Taxiway Design Study, as a subcontractor to Delta Airport Consultants, Inc.
- Principal-In-Charge for the O'Hare International Airport (Illinois) Airfield Pavement Assessment Program.
- Principal-In-Charge for the Midway International Airport (Illinois) Runway 13C Maintenance Repairs, as a subcontractor to David Mason & Associates.
- Principal-In-Charge for the Colorado Springs Municipal Airport (Colorado) Ramp Panel Study.
- Principal-In-Charge for the Burlington International Airport (Vermont) Runway 15-33 Pavement Investigation, as a subcontractor to Hoyle, Tanner & Associates, Inc.
- Principal-In-Charge for the Norfolk Airport (Virginia) Pavement Evaluation Update and Engineering Support, as a subcontractor to Talbert & Bright.
- Project Manager for the Palm Beach International Airport (Florida) Evaluation and Design, CH2M HILL.
- Project Manager for the O'Hare International Airport (Illinois) Modernization Program, as a subconsultant to BPC Airport Partners.
- Project Manager for the O'Hare International Airport (Illinois) Taxiways M, T, S, P, W, and F, and Runways 4L, 4R, 9L, and 14L Evaluation and Rehabilitation Design Projects.
- Project Manager for the Midway International Airport (Illinois) Runway 4R Evaluation and Rehabilitation Design.

#### PROFESSIONAL AFFILIATIONS

- Chair, TRB Committee AHD20 (AKT30), Pavement Maintenance
- Member, Rocky Mountain West Pavement Preservation Partnership (RMWPPP) and Midwest Pavement Preservation Partnership (MPPP)
- Member, FHWA Pavement Preservation Technical Focus Group
- Past Chair, ACC Board of Directors, 2013 to 2014