



ACC Institute: Developing and Presenting Technical Training In Support of Airport Development

31st Annual Airport Conference
Hershey, Pennsylvania
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Background

- Airport Consultants Council (ACC)
 - Mission
 - Organization and membership
 - Meetings

- ACC Institute
 - Background
 - Current status



ACC Institute Programs

- Course champions
- Partnering with other organizations
- Combination of lecture and workshop
- Instructors include consultants, other industry, and FAA
- Course materials: notebooks, CD-ROMs, other resources



Current Offerings

- Project Delivery
- Information Technology and Systems at Airports
- NEPA Essentials
- Airfield Pavement Maintenance and Rehabilitation
- Airfield Pavement Design and Evaluation



Project Delivery Systems Summit

- Co-sponsored by ACI-NA, ACC and AGC
- Content—issues associated with various methods of delivering projects
- Next presentation—Aug. 6 to 7 in San Diego



Information Technology and Systems at Airports

- Content—latest trends and developments in airport IT
- Target audience—airport chief information officers and expert consultants
- Next presentation—Sept. 14 to 16 in Phoenix



NEPA Essentials Workshop

- Content—how to successfully plan and complete NEPA process for a variety of airport development actions
- Target audience—anyone involved in navigating NEPA efficiently
- Next presentation—Nov. 13 to 14 in Tampa



Pavement Maintenance and Rehabilitation

- Airfield pavement types and how pavements perform
- Typical forms of deterioration
- Recommended approaches to maintain and rehabilitate airfield pavements



Pavement Maintenance and Rehabilitation (cont.)

Treatment Topics

- Crack sealing and joint resealing
- PCC partial depth (spall) repair
- HMA patching
- PCC full-depth repair
- Slab stabilization
- Surface treatments
- Improving overlay performance



Pavement Maintenance and Rehabilitation (cont.)

- Target audience—those involved in pavement evaluation, project selection, design of repairs, selection of materials, inspection
- Next presentation—June 1 and 2 in Milwaukee (in conjunction with AOA Expo)



Pavement Design and Evaluation—Overview

- Previous course presented since 2003
- FAA release of AC150/5320-6E (draft) prompted overhaul of content
- Move toward mostly mechanistic and away from mostly empirical
- Requires the use of FAARFIELD



Pavement Design and Evaluation—Content

- Introduction to new design methodology
- Emphasis on differences (subgrade characterization, materials, traffic, analytical method)
- Flexible pavement design, rigid pavement design, HMA overlay design, and PCC overlay design



Pavement Design and Evaluation—Content (cont.)

- Rigid pavement design details
 - Dimensions, joint types, steel
- Evaluation of pavements using PCN and other tools
- Workshops (require use of laptop)
 - Flexible pavement design
 - Rigid pavement design
 - Overlay design
 - PCN



Pavement Design and Evaluation

- Target audience—engineers and others responsible for pavement design and analysis
- First presentation—April 29 to May 1 in Denver
- Additional presentations in San Diego (8/18 to 8/20) and Washington, DC area (11/3 to 11/5)



For Additional Information on ACC Institute Offerings

- TJ Schulz or Sharon Brown at ACC
- Go to www.acconline.org (see Calendar)
- Visit ACC booth

Thank you!

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Questions?
