CCPIC

Governance Board Meeting
Phone in
22 August 2019
Agenda

• Training Update (Laura Melendy, Eduardo Serafin, UCB; John Harvey, UCPRC, Gary Hicks, Ding Cheng, CP2C)
  • Curriculum and certificate plan
  • Training given
  • New classes being developed
  • Upcoming scheduled classes

• Update on technical guidance and tools
  • Asphalt construction quality (Shadi Saadeh, CSULB)
    • Construction sample specifications
  • Concrete mix design (Ding Cheng, CP2)
    • Updated tech brief
    • Sample specifications
  • Life cycle cost analysis (John Harvey)
    • Piloting with selected agencies
    • Draft Tech Brief
Agenda Con’t)

• Update on Resource Centers (John Harvey, UCPRC, Shadi Saadeh, CSULB and Ding Cheng, CP2C)

• CCPIC website (Jon Lea, UCPRC)
  • Update on creating peer-to-peer communication capability for regional local government discussion groups
  • Feedback

• Update on PWOI session (John Harvey, UCPRC)

• Funding update (John Harvey, Laura Melendy)

• Next meeting (Karen Philbrick, MTI/SJSU) in-person at Mineta Transportation Institute, SJSU, San Jose, 10 am to 3 pm, November 15, 2019.

• Adjourn
Training Update: Curriculum and Certificate plan

• Overview
  • For engineers, asset managers, upper-level managers, technicians and construction inspectors
  • 92 hours of training
    • 60 hours in core classes, 32 hours elective
    • Majority of classes to be offered online
  • In four categories:
    • Pavement Fundamentals
    • Pavement Management
    • Pavement Materials and Construction
    • Pavement Design

• Status
  • Draft document now ready for Board final review and approval
  • How will the approval process work?
## Training Update:
### Training Given

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<th>Date</th>
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<td>CCA-01 Introduction to Pavement Engineering and Management</td>
<td>Jun 2019</td>
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<td>IDM-04 Asphalt Pavement Maintenance &amp; Rehabilitation</td>
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<td>IDM-27 Superpave Mix Design for Local Agencies</td>
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<td>IDM-28 Pavement Management Systems and Preservation Strategies</td>
<td>Oct 2018</td>
<td>Costa Mesa</td>
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<td>IDM-26 In-Place Asphalt Recycling and Stabilization Strategies</td>
<td>May 2018</td>
<td>Orinda</td>
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**CCPIC training to date:**
- **7 classes**
- **328 participants**
Training Update: New Classes Being Developed

- **Previously delivered**
  - **CCA-01 Introduction to Pavement Engineering and Management**
    - 8 hours, online, June 17-20, 2019; Next version will be 10 hours

- **Now open for enrollment**
  - **CCB-01 Life Cycle Cost Analysis: The Basics**
    - 4 hours, online, November 4 and 6, 2019

- **Development in progress:**
  - **CCB-02 Pavement Management Systems and Preservation Strategies**
    - 16 hours, classroom, expected Spring 2020

- **Up next and coming soon:**
  - **CCC-01 Asphalt Concrete Materials and Mix Design**
  - **CCC-02 Pavement Preservation Materials & Treatments**
  - **CCC-03 Pavement and Hardscape Construction Specifications and Quality Control Management**
  - **CCA-02 Pavement Sustainability**
Training Update: Upcoming Scheduled Classes

**CCB-01 Life Cycle Cost Analysis: The Basics**
Online, November 4-6, 2019

Other pavement-related classes:

**Asphalt Pavement Maintenance & Rehabilitation (IDM-04)**
Santa Clarita, October 2, 2019
Rancho Cordova, December 3, 2019
* To be replaced by CCC-02 in Spring 2020

**Fundamentals of Inspection Practice (PD-01)**
San Jose, October 9-10, 2019
* To be replaced by CCC-03 in Spring 2020
Update on Technical Guidance and Tools

• Asphalt Construction Quality and specifications
• Concrete Mix design and specifications
• Life Cycle Cost Analysis and tool
Asphalt construction quality sample specifications (Shadi Saadeh, CSULB)

• John and Shadi met with Erik Updyke on August 14 and went over proposed changes and sent previously developed information

• Erik will work on it for Greenbook committee and Shadi/Ashraf/Erik will work on a Caltrans type specification
Concrete mix design sample specifications (Ding Cheng, CP2)

- CP2 has created a group with industry to develop model specification
- Meeting on August 22 in Chico to follow up
Life cycle cost analysis (John Harvey)

• Piloting with City of San Jose, County of Los Angeles, City of Berkeley, City of Lompoc
  • Work progressing on performance modeling with San Jose data
  • Met with County of LA on 13 August to overview tool use, and discuss getting performance and cost data
  • Updated example cost data in LCCA tool working with CP2, contractors, Erik Updyke, others

• LCCA tool continues on the website

• CP2 gathered data from contractors and local agencies, and reviewed with UCPRC; updated costs and lives included in LCCA spreadsheet tool

• Draft Tech Brief still in works
  • Will finish after CP2 done with LCCA training materials so that they are coordinated
Update on Northern California Resource Center
(Ding Cheng and Gary Hicks (CP2C))

• Hicks to take the lead on this task
• Will work with Northern California County
  Engineers and Maintenance Superintendents
  to give presentations
• Need to identify City group to work with
• Will make visits to agencies. Need a brochure
  to pass out describing the CCPIC and tools
• Preparing a calendar of events to attend
Update on Southern California Resource Center (John Harvey, UCPRC, Shadi Saadeh, CSULB)

- John and Shadi met with Erik Updyke on August 13 and discussed the following:
  - Erik working part-time as technical resource and to help coordinate southern California activities and outreach
  - Preparation of a calendar of events to make presentations
    - Southern California (Shadi)
    - Central California (Ashraf)
  - Need a standard powerpoint and brochure
  - John to help with a few of the early presentations
Update on Southern California Resource Center (John Harvey, UCPRC, Shadi Saadeh, CSULB)

• Identified
  • ACEC –
  • APWA –
    • Southern California
    • Inland Empire
    • Coachella Valley

• Meeting San Diego County Supervisor Kristin Gaspar
  • spearheaded a highly-regarded "Building Better Roads" initiative in her county that is looking to incorporate higher percentages of Reclaimed Asphalt Pavement (RAP) in pavement mixes and other innovative and sustainable best practices
CCPIC website (Jon Lea, UCPRC)

- Web site usage (5/1/2019 – 8/13/2019) and file download documents sent to participants

- In general, 5 – 10 users daily; Highest in mid-June (20 users)

- Users from 23 different countries and 133 different cities

- Many file downloads
User Visits: Highest (20 in mid-June; average around 5-10 per day)
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<th>City</th>
<th>Acquisition</th>
<th>Behavior</th>
<th>Conversions</th>
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Update on Creating Peer-to-Peer Exchange Capability for Regional Local Governments (Jon Lea, UCPRC)

• County of SLO (Dave Flynn and Jon Uder) registered on the User Forum

• Last contact (7/23/2019) Jon Uder was working with Dave to create and test things

• No others have registered
Update on PWOI session (John Harvey, UCPRC)

• Proposal to include participation UCPRC, CP2, CSULB and CPSLO

• Proposed three part presentation and discussion:
  • Use of LCCA to select and program appropriate preservation treatments
  • How to get maximum performance out of preservation treatments through specification and quality assurance
  • Future challenges for delivering multi-functional preservation treatments to address not only preserving the pavement structure, but also active transportation issues, human thermal comfort, environmental impact of materials and construction
Funding update (John Harvey, Laura Melendy, Rony Berdugo, Chris Lee)

• Current and planned funding
• Sub-contracts with CSUs using Mineta SB1 funds
Next meeting (Karen Philbrick, MTI/SJSU)

• Next meeting in-person at Mineta Transportation Institute, SJSU, San Jose, 10 am to 3 pm, November 15, 2019.
Any other items?

• If not Adjourn
• Thank You!!