The spirit of collaboration

Track Priorities, Leaders

National CP Road Map Program
Executive Committee Meeting
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TRACK LEADERSHIP

• Fundamental to CP Road Map
• Where are we in leadership?
• How can we get leadership focus?
• How can we get admin support?
1. Performance-based Mix Design and Analysis (MDA) System

- First track underway and viable under the CP Road Map
- Possible model for other tracks to get up and running
1. MDA Track

Activities to date:

• Formation committee (technical experts)
• Strategic forum, October 2006
• MCC, March 2007
1. MDA Track

Early decisions:
- DOTs-FHWA-Industry partnership
1. MDA Track

Early decisions, continued:

- States taking lead through MCC (with new national name)
- Initial, concentrated focus on implementation
MDA System

Why focus on implementation?
We aren’t using tools we already have to maximize the mix at every stage of the system, and new tools are just coming on board.
MDA Initial Implementation Efforts

1. Mix design and proportioning (industry)
2. Mix testing and analysis (state DOTs)
3. Emerging lab equipment and tests (state DOTs)
4. Software integration (FHWA)
5. Field validation
6. Framework for track research (Admin Support Group asap)

State-of-the-practice manual(s) in 2-3 years
1. MDA Track

Early decisions, continued:

• Funding partnership for first six efforts covers research and administrative support
  - FHWA
  - MCC
  - ACPA
  - National Center
1. MDA Track

Summary: possible model for other tracks

• Formation committee
• Three-way partnership
• Track leaders stepped forward
• Begin with implementation and track framework
• Sponsorship/funding agreement
2. Performance-based Design Guide

- Not started
- Key AASHTO Role
- Re-sell ideas
- Establish working group
- Sharpen CP Road Map focus
3. High-Speed NDT & Intelligent Construction Systems

- Examine an Industry Roundtable
  - Batch Plants
  - Transport
  - Pavers
  - Finishers
  - Testing

- Develop opportunity matrix

- Develop Champions
4. Optimized Surface Characteristics

- Six member team
- Focus on Integration
- Review of ‘second tier’ issues
- Organize / Reorganize current groups
5. Equipment Automation and Advancements

- Defer until later date

Or

- Link it to Track 3
6. Innovative Joints

- Defer until later date

Or

- Consider an outreach workshop of key researchers and practitioners.
7. High Speed Rehabilitation & Construction

- Defer until later date
8. Long Life Concrete Pavements

- Examine current efforts by FHWA and ISU
- Consider an overall coordinating group
9. Accelerated & Long Term Data Collection

• Defer until later date

10. Pavement Performance

• Defer until later date

- Executive Committee in place
- Continuation of the Admin Support
- Examine at next meeting
12. Advanced Materials

• Defer until later date
• What about Nanotechnology?
New Track

• Environmental Track?
Response to Priority Tracks?

1. Mix Design and Analysis (underway)
2. Design Guide (leadership team?)
3. High-Speed NDT and ICS (leadership team?)
4. Surface Characteristics (needs to be aligned with Road Map; leadership team?)
8. Long-Life Pavements (leadership team?)
11. (Executive Committee)
Questions?

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