

FHWA/ACI Cooperative Agreement Concrete Seminars



U.S. Department
of Transportation

**Federal Highway
Administration**

Technology Transfer Concrete Consortium (TTCC) and
National Concrete Consortium (NCC)

Savannah, GA
April 6-8, 2010

Purpose of Presentation

- Present the work being conducted under the cooperative agreement with ACI
- Seek feedback on the development of a concrete construction inspection seminar

General Scope of the Agreement

- 5 year agreement
- Purpose: "Technology Transfer of Best Practices for Concrete Pavements".

Available Seminars

- Cementitious Materials
- Concrete Admixtures
- Self Consolidating Concrete

So Far...

- Conducted presentations in 10 states
- Reached approximately 550 professionals
- New requests from New York, Arizona, and Texas

So Far...

Nebraska

Oklahoma

Arizona

Rhode Island

Minnesota

Puerto Rico

New Mexico

California

Kansas

Delaware

Seminars Available Now!

- Free
- SHA provides:
 - Location
 - Training room
 - AV equipment!

Concrete Inspectors Seminar

- Contract authority under Cooperative Agreement
- Optional task

Concrete Inspectors Seminar

Outline of possible topics*

Terminology - ACI 116R-00

Cold Weather - ACI 306R-88

Tolerances - ACI 117-90

Curing - ACI 308R-01

Structural Concrete - ACI 301-05

Pumping - ACI 304.2R-96

Concrete Inspection - SP-2 (07)

Formwork - ACI 347-04

Measure/Mix/Trans/Place - ACI 304R-00

Consolidation - ACI 309R-05

Hot Weather Concreting - ACI 305R-99

Pavements & Bases - ACI 325.9R-91

Optional Topics*

Roller Compacted Concrete Pavements - ACI 325.10R

Concrete Piles - ACI 543R

Highway Bridge Deck Construction - ACI 345R

Drilled Piers - ACI 336.3R

* Seminar is modeled after the ACI "Associate Concrete Transportation Inspectors Workshop"

FHWA's Concern

- 2 ½ day or 2 days
- No exams (not pursuing accreditation)
- Developed for highway construction
- For Engineers or Technicians?

FHWA's Questions

- Is this something FHWA should pursue?
- Is 2 ½ days too long? Should it be 2 days?
- Beginners or advance practitioners?
- What is the best audience for SHA, engineers or technicians?

Thank you!!

Concrete Inspection Seminar

Possible Topics

Topic	Include		Topic	Include	
	Yes	No		Yes	No
Terminology - ACI 116R-00			Hot Weather Concreting - ACI 305R-99		
Tolerances - ACI 117-90			Cold Weather - ACI 306R-88		
Structural Concrete - ACI 301-05			Curing - ACI 308R-01		
Structural Concrete - ACI 301-05			Pumping - ACI 304.2R-96		
Measure/Mix/Trans/Place - ACI 304R-00			Formwork - ACI 347-04		
Consolidation - ACI 309R-05			Consolidation - ACI 309R-05		
Pavements & Bases - ACI 325.9R-91					

Possible Optional Topics

	Include			Include	
	Yes	No		Yes	No
Roller Compacted Concrete Pavements - ACI 325.10R			Highway Bridge Deck Construction - ACI 345R		
Concrete Piles - ACI 543R			Drilled Piers - ACI 336.3R		

Question	Yes	No
1. Is this something FHWA should pursue?		
2. 2 1/2 days?		
3. 2 days?		
4. Beginners		
5. Advance		
6. Engineers		
7. Technicians		

Additional Comments

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