

Research Progress Report

For Quarter Ending June 30, 2008

Today's Date 07/10/2008

Project Number	F	Project Title						
RT204	2	285 Self Consolidatin	ng Concrete	e, Phas	e II			
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Percent of Dollars Paid	Dollars A	Allocated	Dollars Pa	iid		Percent Project	Completion	
32	130,000	0.00	42,232.29)		10		
Original Project Start Date		Original Project End	Date	Current Completion Date				
12/01/2006		12/31/2007			12/06/	2010		
		12/31/200/			12/00/	2010		
DESCRIPTION OF RESEARCH					rt Date	Original	Completion	
Task Title				of	Task	Completion Date	Date	
Mix Design Refinement and Fiel Trial Testing				12/0	01/2006	12/31/2007		
Phase 2 Field Investigation of SF SCC Paving						08/01/2008		
Performance Monitoring and Technology Transfer						12/31/2010		



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Technical Advisory Committee Names			Telephone No.	E-mail address		
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Technical Advisory Committee Names			Telephone No. E-mail address Telephone No. E-mail address Telephone No. E-mail address			
Technical Advisory	Committee Names		Telephone No.	E-mail address		
TAC Meeting Dates	TAC Meeting Dates	TAC Meeting Dates	TAC Meeting Date	s TAC Meeting Dates	TAC Meeting Dates	
05/17/2007						



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Project Progress to Date and other pertinent information

- Coordinated the schedule, material, equipment, and documentation requirements for two possible field trial sites, Webster City and Ames City bike paths.
- Worked with Ames City on modification of an asphalt paver to accommodate 5" thick pavement for Ames City bike path.
- Designed a mix proportion for the Webster City project using materials obtained from American Concrete, Webster, IA.
- Studied the rheological properties of SF SCC and the sieved mortar using IBB and Brookfield rheometers, respectively.
- Designed/tested two mix proportions (with and without ActiGel, working with NW) for the Ames City project.
- Extended rheological correlations with slump-flow test for concrete from cement paste (NW).

Main emphasis for next quarter: 1. Coordinate and prepare for the field SF SCC applications in summer 2. Finalize the mix designs for the Ames City project: (a) with fiber and (b City project: (a) with WR and fiber. 3. Test the general properties (set time, heat of hydration, and F-T resistan projects. 4. Continued refinement and validation of correlations between slump-flow. The research team still is finding it difficult to find field sites for SF SCC.	w test and rl	rete for the field SF SCC heological parameters (NW).	
Sen consonaum concrete	Keywords	SCC	_
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