



Research Progress Report

Today's Date

For Quarter Ending December 31, 2006

01/30/2007

Project Number rt149		Project Title 241.Development of Performance Properties of Ternary Mixtures	
Research Progress Report Author Vernon R. Schaefer		Telephone No. (515) 294-9540	E-mail address vern@iastate.edu
Principal Investigator Name Vernon R. Schaefer		Telephone No. (515) 294-9540	E-mail address vern@iastate.edu
Co-Investigator Name Tom Cackler		Telephone No. (515) 294-3230	E-mail address tcackler@iastate.edu
Principal Investigator Organization Name/Address CTRE, 2711 S. Loop Drive, Suite 4700, Ames, Iowa 50010			
DOT Office		DOT Contact Name Sandra Larson	E-mail address sandra.larson@dot.iowa.gov
Percent of Dollars Paid 41	Dollars Allocated 210,020.00	Dollars Paid 86,517.82	Percent Project Completion 50
Original Project Start Date 12/01/2005		Original Project End Date	Current Completion Date 12/31/2007
DESCRIPTION OF RESEARCH		Start Date of Task	Original Completion Date
Task Title			Completion Date
Literature Survey (ISU)		01/01/2006	12/31/2006
Determine Mix Designs and Materials (ISU/PSU)		01/01/2006	12/31/2006
Otbain and Characterize Materials (ISU/PSU)		03/01/2006	
Conduct Laboratory Tests (ISU/PSU)		05/01/2006	
Conduct conference calls every two weeks		01/01/2006	
Conduct Initial TAC meeting		04/15/2006	
Write Phase I report		06/15/2006	



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Technical Advisory Committee Names	Telephone No.	E-mail address
see below		
Technical Advisory Committee Names	Telephone No.	E-mail address
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Technical Advisory Committee Names	Telephone No.	E-mail address
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TAC Meeting Dates	TAC Meeting Dates	TAC Meeting Dates	TAC Meeting Dates	TAC Meeting Dates	TAC Meeting Dates
06/07/2006					

Primary Investigator Concerns, Problems, Needs or No-Cost Extension Requests

This is a five-year, \$1.8M pooled fund project. The current project is the first year of the five year project. Project has large (~25) member Technical Advisory Board including reps from Iowa, Mississippi, Illinois, Kansas, Pennsylvania, Oklahoma, New Hampshire, California, ACPA, PCA, Silican Fume Assoc. and FHWA. List of members available upon request to PI Vern Schaefer

OCTOBER: Considerable progress made on Phase I test schedule. Phase II and III draft work plan developed. A TAC meeting via video conference is scheduled for November.

JANUARY: The Phase I test schedule is nearly completed. Work is beginning on the draft Phase I report and efforts have been made to obtain funding for Phases II and III. A TAC meeting is planned for late April.



Project Progress to Date and other pertinent information

January:

Task 1 Literature review--completed

Task 2 Define materials--completed.

Task 3 Material characterization--approximately 98% of the material characterization tests have been completed on the materials. Anticipate completion by end of the year.

Task 4 Benchmarking engineering properties--about 85% of the tests in this task are complete. Lab testing expected to be completed by end of February. Approximately 140 blends of cements and CSMs are being tested

Task 5 Evaluation of Ternary Mixture Performance--awaiting results of tests

Task 6 Report--awaiting results

Subject

Keywords