



Research Progress Report

Today's Date

For Quarter Ending December 31, 2007

01/28/2008

Project Number		Project Title	
RT149		241.Development of Performance Properties of Ternary Mixtures	
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Percent of Dollars Paid	Dollars Allocated	Dollars Paid	Percent Project Completion
48	520,000.00	248,990.92	80
Original Project Start Date		Original Project End Date	Current Completion Date
12/01/2005		06/30/2006	06/30/2009

DESCRIPTION OF RESEARCH	Start Date of Task	Original Completion Date	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		04/30/2007
Conduct Laboratory Tests (ISU/PSU)	05/01/2006	04/30/2006	
Conduct Initial TAC meeting	04/15/2006	04/15/2006	
Write Phase I report	06/15/2006	06/30/2006	



Technical Advisory Committee Names	Telephone No.	E-mail address
see below		
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	04/27/2007	12/18/2007			

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 CP Tech Center.

Interaction with Technical Monitor and/or Project Advisory Committee (brief recount of meetings):
A technical advisory committee meeting was held December 18, 2007 in Salt Lake City, Utah. The phase I results and mixtures for Phase II were discussed. A tour of the University of Utah laboratory facilities was also conducted.



Project Progress to Date and other pertinent information

Sulfate and ASR testing is being conducted at the University of Utah. The sulfate testing is ongoing and will continue to be monitored into Phase II. ASR testing is nearly completed.

Expected activities for next quarter:

Sulfate testing will be continued during the next quarter. Phase II will begin and both Iowa State University and the University of Utah will be conducting full scale concrete tests. Forty-eight base mixture designs will be selected from the Phase I results.

Subject Ternary Mix

Keywords ternary