



Research Progress Report

Today's Date

For Quarter Ending June 30, 2008

07/10/2008

Project Number		Project Title	
RT149		241.Development of Performance Properties of Ternary Mixtures	
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Principal Investigator Organization Name/Address			
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Research & Technology		Sandra Larson	sandra.larson@dot.iowa.gov
Percent of Dollars Paid	Dollars Allocated	Dollars Paid	Percent Project Completion
91	520,000.00	472,634.34	80
Original Project Start Date		Original Project End Date	Current Completion Date
12/01/2005		12/31/2006	06/30/2009

DESCRIPTION OF RESEARCH	Start Date of Task	Original Completion Date	Completion Date
Phase 1 final report			12/01/2007
Laboraty study on Concrete phase	03/15/2008	03/05/2010	
Determine matrix of concrete mixtures	04/01/2008	08/01/2008	
Concrete performance properties	04/01/2008	09/30/2009	
Temperature effects	04/01/2008	05/30/2009	
Investigate existing ternary concrete	04/01/2008	09/09/2039	
Analysis of data	04/01/2008	12/31/2009	
Trial mixture designs for field studies	04/01/2009	12/31/2009	
Summary report	01/01/2010	03/01/2010	



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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	04/27/2007	12/07/2008			

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, Silica Fume Assoc. and FHWA. List of members available upon request to CP Tech Center



Project Progress to Date and other pertinent information

*The final report on the laboratory study on mortar (earlier phase of the overall project) was completed and is available. *Conference calls were held to determine the final matrix for the concrete study *Scheduling the mobile laboratory for field trials this summer is underway.*Work has started on producing concrete mixtures for testing.Next quarter the research term will continue producing concrete specimens and testing them according to the workplan.

Subject Ternary Mix

Keywords ternary