Quarterly Progress Report – September 2009 For the period July 1, 2009 to September 30, 2009

Project Dates: March 6, 2008 – March 5, 2010

Project Title: Development of Performance Properties of Ternary Mixtures:

Laboratory Study on Concrete & Field Study

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Progress Report:

Project is on schedule Yes
Project is within budget Yes
Significant changes in project description No

Problems (current or anticipated): None

Products and tangible results this quarter (reports/articles written, oral reports/interviews given):

 Presentations were made to the National Concrete Consortium and Mid Continent Conference summarizing the project and some of the findings

Interaction with Technical Monitor and/or Project Advisory Committee:

Brief summary of this quarter's research and activities pertaining to the project:

- All of the temperature mixtures have been prepared and are in testing
- Some repeat mixtures have been prepared from the standard temperature matrix
- Work is continuing on data analysis and reporting
- A site visit was conducted at a location in Utah
- Plans were developed for visiting sites in PA and NH
- Discussions continued about visits to KS and IA

Main emphasis for next quarter:

- Work will continue on reporting and planning for Phase 3
- Data collection will continue for the mixtures prepared based on the ages of the samples
- Work will continue in developing sites to visit in the coming season

		Completion Date	% completed
No.	Task Description	Expected	
1	Determine matrix of concrete mixtures	July 2008	100
2	Concrete performance properties	September 2009	90
3	Temperature effects	May 2009	75
4	Investigate existing ternary concrete	September 2009	0
5	Analysis of data	December 2009	60
6	Trial mixture designs for field studies	December 2009	0
7	Summary report	March 2010	20