

Quarterly Progress Report – December 2009
For the period October 1, 2009 to December 31, 2009
TPF-5(117)

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

Project Title: Development of Performance Properties of Ternary Mixtures:
Laboratory Study on Concrete

ISU Principal Investigator: Peter Taylor, 515-294-8103, email: ptaylor@iastate.edu

Uof U Principal Investigator: Paul Tikalsky, 801-581-6931 email: tikalsky@civil.utah.edu

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):

- Presentation made to National Concrete Consortium by Paul Tikalsky

Interaction with Technical Monitor and/or Project Advisory Committee:

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

- Final report being prepared
- Last salt scaling tests are still running

Main emphasis for next quarter:

- Final report will be prepared

No.	Task Description	Completion Date Expected	% completed
1	Determine matrix of concrete mixtures	July 2008	100
2	Concrete performance properties	September 2009	95
3	Temperature effects	May 2009	90
4	Investigate existing ternary concrete	September 2009	0
5	Analysis of data	December 2009	80
6	Trial mixture designs for field studies	December 2009	0
7	Summary report	March 2010	50

Quarterly Progress Report – December 2009
For the period October 1, 2009 to December 31, 2009
TPF-5(117)

Project Dates: August 26, 2009 – August 25, 2011

Project Title: Development of Performance Properties of Ternary Mixtures:
Field Demonstration Projects

ISU Principal Investigator: Peter Taylor, 515-294-8103, email: ptaylor@iastate.edu

Uof U Principal Investigator: Paul Tikalsky, 801-581-6931 email: tikalsky@civil.utah.edu

Progress Report:

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

Problems (current or anticipated):

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

Interaction with Technical Monitor and/or Project Advisory Committee:

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

- Field investigation conducted in Kansas – a draft report is being prepared
- Samples were collected from a bridge deck in MI
- Negotiations continued for field investigations in CA, PA and IA for next summer

Main emphasis for next quarter:

- Reports for MI and KS will be completed
- Work will continue in developing sites to visit in the coming season

No.	Task Description	Completion Date Expected	% completed
1	Field Project Identification	April 2010	40
2	Mixture Design Development Assistance.	April 2011	0
3	Field Demonstration Documentation	January 2011	10
4	Technology Transfer	January 2011	0
5	Model Specification	August 2011	0
6	Final Report	August 2011	0

QUARTERLY BUDGET REPORT FOR
Project Title: Performance Properties of Ternary Mixes

DATA FOR THE QUARTER ENDING DECEMBER 31, 2009

BUDGET CATEGORY DESCRIPTION	AMOUNT BUDGETED	EXPENDITURES THIS PERIOD	CUMULATIVE EXPENDITURES
SALARIES/WAGES	\$135,857.00	\$1,600.22	\$107,719.49
BENEFITS	\$27,492.00	\$620.91	\$15,081.19
TRAVEL	\$56,000.00	\$0.00	\$17,118.02
SUPPLIES/MATERIALS	\$4,500.00	\$0.00	\$2,610.03
SUBCONTRACTS(subj to IDC)	\$50,000.00	\$0.00	\$50,000.00
SUBCONTRACTS(not subj to)	\$248,806.00	\$0.00	\$248,806.00
OTHER DIRECT COSTS	\$64,400.00	\$5,558.11	\$44,693.86
TOTAL DIRECT COSTS	\$587,055.00	\$7,779.24	\$486,028.59
INDIRECT COSTS (University Overhead)	\$87,945.00	\$2,022.60	\$61,677.87
CATEGORY TOTALS	\$675,000.00	\$9,801.84	\$547,706.46

NOTES:

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