



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

QUARTERLY PROGRESS REPORT

Project Title:	A Proposal for the Development of High Performances Concrete for Transportation Structures in New Jersey		
RFP NUMBER:			NJDOT RESEARCH PROJECT MANAGER: Tony Chmiel
TASK ORDER NUMBER/Study Number: 62 / 4-23806	PRINCIPAL INVESTIGATOR: Hani Nassif		
Period Starting: 5/10/1999 - 11/9/2000 (Start-End Date of Study)	Period Ending: 12/31/2000		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Collection and Synthesis of Data	5%	2%	100%	5%
Selection of Mix Proportions and Test Methods	30%	4%	100%	30%
Evaluation of Mechanical and Long-term Properties	25%	10%	90%	22.5%
Collection of Data and Preparation of Samples During the Field Samples	15%	5%	25%	3.75%
Evaluation of Field Samples	15%	0%	0%	0%
Preparation of Specifications for HPC	5%	10%	30%	1.5%
Final Report	5%	0%	0%	0%
TOTAL	100%			62.75%

1. Progress this quarter by task:

- A. The Concrete and Aggregate association has been contacted to arrange for field casting of mixes developed in the laboratory.
- B. Meet with NJDOT HPC group and planned the continuation of the project to include long term behavior and to expand on the mixes to include silica cement, mixes with only one Pozzolanic material such as fly ash or silica fume. Also, the scope of the project has been expanded to perform more shrinkage and creep testing in addition to RCP and Strength.

2. Proposed activities for next quarter by task

- A. Submit a budget for the continuation of HPC and develop mixes with Silica Cement and Slag Cement. The scope and objectives of the continuation will be submitted to Nick Vitillo.

3. List of deliverables provided in this quarter by task (product date)

4. Progress on Implementation and Training Activities

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5. Problems/Proposed Solutions

N.A.

6. Budget Summary

Task Order Number/Study Number:		62 / 4-23806
Current Task Order Budget (# of years)	Yr. 1.5	\$70,814.00
Actual Expenditure to date against current task order		\$70,814
% of current task order budget expended		100%

* These are approximate expended amounts for the project; these estimates are for reference only and should not to be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.

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