



CAIT

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

PROJECT PROGRESS REPORT

CAIT Task Order Number: 62

NJDOT Project Manager: Tony Chmiel

CAIT Principal Investigator: Hani Nassif

Acct #: 4-23806

Project Title: A Proposal for the Development of High Performances Concrete for Transportation Structures in New Jersey

Period Starting: 5/10/1999
(Start Date of Study)

Period Ending: 12/31/1999

Task	% of Total	% Complete since last report	% Total Complete
Collection and Synthesis of Data	5%	96%	4.8%
Selection of Mix Proportions and Test Methods	10%	95%	9.5%
Evaluation of Mechanical and Long-term Properties	25%	70%	17.5%
Collection of Data and Preparation of Samples During the Field Implementation	20%	15%	3%
Evaluation of Field Samples	25%	0%	0%
Preparation of Specifications for HCP	10%	0%	0%
Final Report	5%	0%	0%
TOTAL	100		34.8%

Work completed and Underway:

1. Four Mixes from Group A (w/c=0.35) and Group B (W/C = 0.39) are selected based on their highest strength(s) at early age and at 56 days. Each mix is reproduced to test for strength, shrinkage, and elastic modulus.
2. Contacts have been established with the National Association of Ready-Mix Concrete Producers. A list of Producers in the Tri-State area and New Jersey is compiled.
3. Local RMC producers have been contacted and arrangements are made to reproduce specimens from two mixes developed at the Rutgers laboratory.
4. The HPC Web page is updated with recent information.

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