



## QUARTERLY PROGRESS REPORT

Project Title:	Evaluation of Poisson's Ratio		
RFP NUMBER:	NJDOT RESEARCH PROJECT MANAGER: Mr. Anthony Chmiel		
TASK ORDER NUMBER/Study Number: Task Order No. 128 / 4-26531	PRINCIPAL INVESTIGATOR: Thomas Bennert		
Study Start Date: 01/1/2003 Study End Date: 12/31/2004	Period Covered: 4th Quarter 2003		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search/Sensitivity Analysis	10%	50%	100%	10%
1. Material Collection	5%	0%	100%	5%
2. Laboratory Testing	65%	10%	20%	13%
3. Calibration	10%	25%	25%	2.5%
4. Reporting	10%	0%	0%	0%
Final Report				
<b>TOTAL</b>	<b>100%</b>			<b>30.5%</b>

1. Progress this quarter by task:

- A. A large number of resilient modulus tests were conducted with the horizontal deformations also be measured to obtain values of Poisson's ratio. The testing comprised of evaluating how the Poisson's ratio changes with the change in aggregate gradation. The testing was conducted for both an NJDOT designated I-3 aggregate and a DGABC aggregate. Currently CAIT researchers are conducting the data analysis and hope to have representative data for presentation at the quarterly meeting.

2. Proposed activities for next quarter by task:

- A. Evaluate how the Poisson's ratio (and resilient modulus) varies with the effect of temperature. The temperatures selected for testing will be in the range found in the on-going NJDOT Seasonal Variation research project.

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

N.A.



4. Progress on Implementation and Training Activities  
N.A.

5. Problems/Proposed Solutions  
N.A.

6. Budget Summary\*

Total Project Budget(# of years)	2 Years	\$426,111
Total Project Expenditure to date		\$144,993
% of Total Project Budget Expended		34%
Task Order Number/Study Number:		128 / 4-26531
Current Task Order Budget (# of years)	Year 1 and 2	\$426,111
Actual Expenditure to date against current task order		\$144,993
% of current task order budget expended		34%

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