



QUARTERLY PROGRESS REPORT

Project Title:	Rut Testing of Hot Mix Asphalt		
RFP NUMBER:	NJDOT RESEARCH PROJECT MANAGER: Mr. Nicholas Vitillo		
TASK ORDER NUMBER/Study Number: Task Order No. 98 / 4-26677	PRINCIPAL INVESTIGATOR: Dr. Ali Maher		
Study Start Date: 01/01/2001 Study End Date: 12/31/2003	Period Covered: 3 rd Quarter 2003		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search/Local Agency Survey	10%	0%	100%	10%
Lab Testing for Rutting Criteria	25%	0%	100%	25%
Lab Testing for NJ HMA Characterization	25%	10%	90%	22.5%
Lab Testing for SUPERPAVE vs Marshall	20%	15%	85%	17%
Field Calibration/Evaluation	10%	10%	45%	4.5%
Final Report	10%	10%	55%	5.5%
TOTAL	100%			84.5%

1. Progress this quarter by task:

- A. The part one of the project, "A Rutting Criteria for the Asphalt Pavement Analyzer", was finished and a final report was generated. The requested corrections by the NJDOT were conducted and the final report will be delivered at the quarterly meeting.
- B. The Low Volume road section of the project finished the fourth asphalt design. This design was from A.E. Stone in south Jersey. The Marshall results indicated an optimum asphalt content of 5.5% and the Superpave design showed 5.8%. Samples are being made for APA and permeability testing.
- C. The flexural beam fatigue device was delivered. The equipment will be set-up and the representative from IPC will provide training. Once training is completed, samples from the low volume designs will be compacted into beams, cut, and tested for fatigue.

2. Proposed activities for next quarter by task:

- A. The fifth low volume road mix design is being conducted. It is anticipated the Superpave portion should be finished by the date of the quarterly meeting.
- B. Flexural beam fatigue testing should begin on some of the low volume mixes. It is anticipated that once this equipment is running properly, members of the NJDOT will be invited for a demonstration of the test.

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

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6. Budget Summary*

Total Project Budget(# of years)	2 Years	\$391,867.00
Total Project Expenditure to date		\$328,982
% of Total Project Budget Expended		84%
Task Order Number/Study Number:		98 / 4-26677
Current Task Order Budget (# of years)	Year 1 and 2	\$391,867.00
Actual Expenditure to date against current task order		\$328,982
% of current task order budget expended		84%

* 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.

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